BIBLIOTHEK № ARNOLD PENTHER

CONTRIBUTION TO THE KNOWLEDGE

OF

THE SPIDER FAUNA OF THE MAGELLAN TERRITORIES

BY

ALBERT TULLGREN.

The first spiders, brought home from these parts, have been described by F. KARSCH in the *Zeitschr. f. Ges. Naturwiss.* Tome 53 in a paper titled *Arachnologische Blätter (Decas I): II Neue Spinnen vom Feuerlande*, p. 378, 1880. These spiders were collected by Prof. STUDER, who in quality of zoologist partook of the German so called Venus expedition; they numbered only four, all of them new to science. They were all found in the neighbourhood of Punta Arenas.

Some years later, the French Cape Horn-Expedition brought home 21 species, which have been described by the eminent arachnologist Mr. EUG. SIMON in the first place rather summarily in *Bull. Soc. Zool. Fr.* 1884, p. 117, afterwards more in detail in a paper which appeared in *Mission de scientifique du Cap Horn 1882—83, T. VI*; *Zool.*: *E. Arachnides par* E. SIMON (Paris 1887). Of these 21 species only two were known before in Chile. Already in 1849 they had been described and in a most worthy manner copied by the French researcher NICOLET in GAY, *Historia fisica y politica de Chile.* Zoologia T. 3. Among the rest, which were all of them new to science, was found a new representative of the very strange family Archæidæ: *Mecysmauchenius.* A most striking point was the overwhelmingly great number of species belonging to the families of Clubionidæ and Agelenidæ amounting to more than two thirds of all species collected. In the same year as this expedition was going on, Dr. E. LEBRUN, naturalist of an expedition for astronomic purposes to the southern parts of Patagonia,

brought together a collection of spiders (16 species, of which 14 have been described in *Bull. Soc. Zool. Fr. 1886* and the other two in *Miss. scient. du Cape Horn* 1882—83), all worked at by Mr. SIMON. 14 new species were the result of this expedition.

From that time up to date some collections of less importance only, brought together by C. BACKHAUSEN, have been gone through, these too by Mr. SIMON (*Arachnides recueillis à la Terre de Feu* par M. CARLOS BACKHAUSEN, 1re et 2eme Mém. in *An. del Museo Nacional de Buenos Ayres T. IV and V*). BACKHAUSEN has enriched science with 9 new species.

A summary of all species from the Magellan territories that have hitherto been described contains in all 50 species among which the family of Clubionidæ still has a great number of representatives.

1895—96 Dr. OTTO NORDENSKJÖLD, Docent at Upsala University, undertook an expedition to these parts. In 1899 he was followed by Cand. phil. ERLAND NORDENSKIÖLD. The collections that have been the object of my researches, have been brought together during the travels of these two naturalists.

The collections contain some 60 species, among which I believe to have found 45 new to science. Most of them are represented by a single or some few specimens. The family of Clubionidæ, however, has a very great number of representatives. Sometimes I have had a great difficulty in determining with tolerable certainty even the genus. Especially this is the case with the family of Theridiidæ and the small spiders belonging to the family of Argiopidæ. Nor seems to me the system of Erigoneæ to be as yet satisfactorily cleared up, though the works of SIMON and KULCZINSKY bear witness of great progresses in this direction.

To conclude I deeply feel the obligation I owe to the Intendent of the Entomological Department of the Royal Museum in Stockholm, Professor etc. CHR. AURIVILLIUS. For his kindness in giving me the possibility of these researches I wish herewith to express my most respectful gratitude. At the same time I give my sincere thanks to my friends Dr. OTTO NORDENSKJÖLD and Cand. phil. ERLAND NORDENSKIÖLD who have kindly trusted me with the work of which the following pages are the result.

ARANEÆ.

Paralellodontes.

Fam. Avicularidæ.

Subfam. *Diplurinæ.*

Diplureæ.

Brachythele AUSSERER.

AUSSERER, Verh. z. b. Ges. Wien 1871.

B. subcalpetana (NICOLET).

NICOLET in GAY, Hist. de Chile etc. Zool. III. p. 334. 1849.

To this species I count a single ad. female captured in **Patagonia:** Mayer (2/3 1899, E. N.).

Measurements:

total length	28,6	mm.
length of the cephalothorax	10,5	»
breadth » » »	8,7	»
length » » abdomen	15	»
breadth » » »	10,4	»
length » » 1st leg	24,3	»
» » » 2d »	22,5	»
» » » 3d »	20,5	»
» » » 4th »	27,2	»

Hexatheleæ.

Scotinoecus SIMON.

SIMON, Hist. nat. des araignées, ed. 2, T. 1, fasc. 1, 1892, p. 188.

S. fasciatus n. sp.

This species is nearly related to S. (Hexathele) cinereopilosus SIM., but in several important characteristics it differs from the description of this species as published by Mr. SIMON

in *Descriptions de quelques Arachnides du Chili et Remarques synonymiques sur quelquesunes des espèces décrites par* NICOLET (Ann. Soc. ent. Fr. (6) T. VIII p. 222).

Female. — *Cephalothorax* a little longer than broad; the pars cephalica more than half the length of the whole cephalothorax, the side-furrows very deep; the central fovea deep and straight; the thoracic striæ well marked. The colour is light-brown, the margins more or less blackish. The surface is nearly hairless.

Eyes. Ocular tumulus very low, about twice as broad as long, situated very near the margin of the clypeus. The front-row procurved, the middle-eyes much smaller, round, separated from each other by a space a little longer than their diameter (in one specimen the two anterior middle-eyes are separated by a space twice as long as their diameter) and from the lateral eyes by a space nearly as long. The anterior middle-eyes smaller than the posterior ones. The hind-row a little recurved with the middle-eyes smaller and separated from each other by a space about twice as broad as their diameter, nearly contiguous with the lateral eyes. The lateral posterior eyes smaller than the anterior ones, the distance between them nearly as long as the radius of the posterior lateral ones. — The region of eyes is black.

Cheliceres parallel-sided, slightly tapering towards the apex. The colour is brown, darker towards the apex. The inner margin of the claw-furrow with 8 strong conical teeth. The surface is clothed with very long blackish hairs, which are more or less spiniformed at the apex (ressemble a rastellum).

Maxillæ and *labium* pale testaceous, with long hairs and numerous short tooth-like spines, on the maxillæ at the base of the inner corner, on the labium at the truncated and a little sinuated apex. The labium much broader than long.

Sternum rounded-oval, yellow-brown, densely clothed with long stiff blackish hairs.

Legs 4. 1. 2. 3, pale yellow-brown with a blackish tinge at the ends of the joints. The tibia I with 2 spines beneath; the metatarsus I with 2. 2. 2 spines beneath and the tarsus I with 1. 1 spines beneath at the inner margin. The other sides of these joints and the femur without spines. The other

legs with numerous spines. — All legs densely clothed with more or less grayish hairs. No scopulæ on the legs. The superior claws with 6 or 7 long teeth.

Abdomen on the dorsal side dark violet with 5 or 6 pairs of oblique, transverse, pale testaceous stripes at the sides. The venter is pale testaceous in the middle with a more or less **U**-formed violet band. The whole abdomen clothed with comparatively long grayish hairs.

Mamillæ 6, the superior ones with the basal joint nearly twice as long as the middle joint and this one a little shorter than the end joint, which is a little tapering towards the apex.

Measurements:

total length	9,3	mm.
length of the cephalothorax	3,4	»
breadth » » »	2,6	»
length » » abdomen	4,7	»
breadth » » »	3,2	»
length » » 1st leg	7,2	»
» » » 2d »	6,3	»
» » » 3d »	6,2	»
» » » 4th »	7,3	»

Of this species the collection contains three subad. females from

Patagonia: Puerto Gallegos ($^{16}/_{11}$ 1895, O. N.),
Punta Arenas ($^{29}/_{11}$ 1895, O. N.),

and from

Tierra del Fuego: Gente Grande bay ($^{27}/_{12}$ 1895, O. N.).

This species is certainly not identical with Scotinoecus cinereo-pilosus SIMON l. c. p. 222, as shown by the following extract: — »parte cephalica vitta media obscuriore postice attenuata notata». »Medii postici (oculi!) anticis haud vel vix minores.» »Abdomen —, atro-testaceum.» »Mamillæ fulvo-testaceæ, superiores articulis 1 et 2 subæqualibus, ultimo paulo longiore et valde acuminato.»

Antiodontes.

Fam. **Dictynidæ.**

Auximus Simon.

Simon, Hist. nat. des araignées, ed. 2, T. 1, fasc. 1, 1892, p. 239.

A. fuegianus Simon 1884.

Syn.: Amaurobius fuegianus Sim., Bull. Soc. Zool. Fr. 1884.

Several subad. and ad. females I count to this species. They are found in the following localities:

Patagonia: Ultima Esperanza (3/4 1896, O. N.),
Campo Toro (/3 1899, E. N.),
Tweedie (/3 1899, E. N.);

Tierra del Fuego: Azopardo river (1/3 1896, O. N.),
Puerto Toro (8/2 1896, O. N.),
Dawson Island (1899, E. N.),
Lennox Island (1/2 1896, O. N.).

The first description of this species is given by Mr. Eug. Simon in his paper in Bull. Soc. Zool. Fr. 1884, another one in *Mission scientifique du Cap Horn 1882—1883*, T. VI, Zoologie; E. Arachnides. Paris 1887. The last most detailed paper I follow here. There is no doubt but that my specimens are identical with those of Mr. Simon, but his description is a little incomplete and perhaps erroneous, as far as I understand. In his excellent work Hist. naturelle des Araignées ed. 2, T. I; fasc. 1, p. 236 he describes the new genus Auximus and places this genus near Amaurobius. An examination of my specimens however has brought me to an other opinion. The sternum is very distinctly produced between the last pair of coxæ, which are consequently distinctly separated. Therefore it is nearer related to the group of Dictyna (and in consequence of the presence of spines on the legs near related to Devada or Altella?).

The *cephalothorax* is strewed with long, bristly, upturned hairs on the pars thoracica and with three rows of longer hairs (following the black stripes) on the pars cephalica; numerous similar hairs in the region of eyes.

The *sternum* broad oval, very distinctly produced between the posterior coxæ, dark brown and densely clothed with long bristly hairs.

The *labium* is about as long as broad, if longer, only very little so.

The *abdomen* clothed with long white to black hairs.

The *vulva* conf. Pl. I. fig. 1.

For the rest conf. the description published by Simon l. c. p. 20.

Fam. **Sicariidæ.**

Sicarius Walckenaer.

Walckenaer, Hist. nat. des insectes aptères IV, Suppl. 1847.

S. rupestris (Holmberg).

To this species, first described by E. L. Holmberg,[1] I am inclined to count three subad. females from

Patagonia: Puerto Madryn (23/7 1896, O. N.).

Cephalothorax is dark red, a little paler in the hind part. Legs, sternum and mouthparts yellowish-brown. Abdomen grayish.

Sternum is a bit longer than broad, very little tapering at the a little emarginated hind-end. The posterior coxæ separated one from another by the breadth of the 4th coxa.

Measurements:

total length	11,8	mm.
length of the cephalothorax	5,2	»
breadth » » »	5	»
length » » 1st leg	19	»
» » » 2d »	19,5	»
» » » 3d »	18,6	»
» » » 4th »	19,	»

[1] Expedicion al Rio Negro. Ent. I. Zoologia, Aracnidos por L. E. Holmberg. — Buenos Ayres 1881.

Fam. **Zodariidæ.**

Storena Walckenaer.

Walckenaer, Tabl. Aran., 1805.

S. Bergi Simon 1895.

E. Simon: *Arachnides recueillis à la Terre de Feu par M.* Carlos Backhausen in An. Mus. Nac. de Buenos Ayres. T. IV. 1895.

Of this species two ad. females are captured in
Patagonia: Punta Arenas (29/11 1895, O. N),
Campo Toro (/3 1899, E. N.).

The specimen from Punta Arenas differs in some points from that from Campo Toro. The ground-colour is somewhat lighter, the cephalothorax and the legs are more or less light-brown. The tibia I has beneath 2 strong spines at the apex and in addition to these 4 spine-like long hairs. The metatarsus I has 2 at the apex and 2 in the middle of the joint. The tibia II has 2 spines at the apex and in the middle and at the base 1 spiniformed hair. The metatarsus II has 3 spines at the apex and in the posterior half 3 similar ones. These circumstances have not induced me to describe it as a species new to science, because the position of eyes and other parts of the body in high degree ressemble those of the other specimen, which seems to me to be a veritable Storena Bergi Sim.

Measurements:

total length	6,8	mm.
length of the cephalothorax	3	»
breadth » » »	2	»
length » » abdomen	4,2	»
breadth » » »	2,8	»
length » » 1st leg	7,6	»
» » » 2d »	6,8	»
» » » 3d »	6,6	»
» » » 4th »	7,8	»

Fam. **Theridiidæ.**

Theridium Walckenaer.

Walckenaer, Tabl. Aran., 1805.

T. spinatum n. sp.

Male. — *Cephalothorax* about as broad as long, very little tapering in front. It is shorter than the first femur; the pars cephalica much higher, the side-furrows very indistinct. Only near the eyes some few short bristly hairs. The ground-colour is pale testaceous with three longitudinal blackish bands, one at each margin and one in the middle.

Eyes. The front-row nearly straight; the middle-eyes separated from each other by a space more than the distance from the lateral eyes, which does not amount to the radius of the middle-eyes. These eyes are smaller and separated from the margin of clypeus by a space about five times their diameter. The lateral eyes in both rows nearly contiguous. The hind-row a little recurved; the eyes and the intervals about equal. The anterior middle-eyes separated by a space twice the interval between the posterior eyes, but the region of the four middle-eyes about squarish. The anterior middle-eyes a little prominent and all eyes surrounded by black rings.

Cheliceres (and other mouthparts) pale testaceous, very little tapering, about as long as clypeus and much narrower than the first femur.

Maxillæ about twice as long as broad, at the outer margin a little sinuated and at the inner corner of the apex with a small projection.

Labium about twice as broad as long, not half the length of the maxillæ.

Sternum cordated, distinctly blackish marginated and projected between the posterior coxæ.

Legs 1. 4. 2. 3, yellow, beneath with a small (at the base) and a large (at the apex) blackish spot on the femora. All joints densely clothed with long hairs. The »turned» hair ressembles a real spine. The patellæ 2—4 with a spiniformed hair, the first tibia with a single one in the middle, the others with two, one on each endpart of the joint. All tarsi shorter than the metatarsi and the metatarsus of the first leg about

as long as its tibia. — The superior claws with some divergent comparatively long teeth in the base-part.

Abdomen (a little damaged) thinly clothed with short hairs. The ground-colour light grayish. At the front of the dorsal side two triangular black spots and behind these two transversal black stripes. At the hind-part three more or less distinct transversal black stripes. The venter with indistinct blackish markings.

Pedipalpus. The patella with two spiniformed hairs, about as long as the (from the side) triangular tibia. The bulbus conf. Pl. I. fig. 2 a.

Measurements:

total length	2,5 mm.
length of the cephalothorax	1,04 »
breadth » » »	0,92 »

Of this species only one ad. male is captured in **Patagonia** by Dr. O. NORDENSKJÖLD.

Female. — *Cephalothorax* as long as broad, pale testaceous with three longitudinal blackish bands. Shorter than first femur; the pars cephalica much higher, the side-furrows very indistinct. Only near the eyes some few short bristly hairs.

Eyes. The front-row nearly straight; the middle-eyes separated by more than the distance from the lateral eyes, which does not come up to the length of the radius of the middle-eyes. These a little smaller and separated from the clypeus by a space about four times their diameter. The lateral eyes nearly contiguous. The hind-row a little recurved; the eyes and the intervals about equal.

Chelicerae a little longer than clypeus, narrower than first femur.

Maxillæ, *labium* and *sternum* conf. the male.

Legs 1. 4. 2. 3. The ground-colour pale testaceous. The following parts blackish: the apex of femur I; the apex and the base beneath of the other femora; the patellæ; two rings on the tibiæ and the apex of the metatarsi. The patellæ with a single spiniformed hair; the tibiæ with two such hairs. All tarsi shorter than the metatarsi and the metatarsus of the first leg about as long as its tibia.

Abdomen considerable in size, broader behind, the front-edge very projected above the cephalothorax. The dorsal skin

more or less hard (no shield). The ground-colour yellow. The front-part with two very large triangular spots. Behind these 2 or 3 pairs of very small blackish spots. The ground-colour with irregular snow-white much smaller spots and strewed with reddish points. The venter with irregular blackish spots on yellow ground.

Vulva is a very fine transversal furrow at each end combined with a small oblique-longitudinal and elliptical pit. Conf. Pl. I. fig. 2 b.

Measurements:

total length	4 mm.
length of the cephalothorax	1,4 »
breadth » » »	1,3 »
length » » abdomen	3,6 »
breadth » » »	3 »
length » » 1st leg	6,8 »
» » » 4th »	6,7 »

Of this species five ad. females are captured:

Patagonia: Ultima Esperanza (²/₄ 1896, O. N.; ²⁶/₃ 1899, E. N.), Rio tres Pasos (1899, E. N.);

Tierra del Fuego: Rio Azopardo (²⁸/₂ 1896, O. N.)

It is with some hesitation I give this new species as a Theridium. The most important characteristics, however, are of a nature to induce to do so for the present. So for instance the superior claws of the tarsi in the basal part have long divergent teeth. The tarsi are shorter than the metatarsi. The cephalothorax has no transversal middle-furrow. The area of middle-eyes is not narrower in front. The fourth pair of legs is a little shorter than the first one. On the other hand the posterior coxæ are a little longer than the anterior ones and the legs have spines. Being, however, at a loss among which genus I am to number the species, and unwilling to give it as a new one I have placed it in the genus of Theridium.

T. recurvatum n. sp.

Female (subad.). — *Cephalothorax* pale yellow with a broad blackish longitudinal band from the eyes tapering towards the middle and with a narrow black band at the margins; it is broadly cordated, about as broad as long, the pars

cephalica higher and separated from the pars thoracica by distinct side-furrows, the central furrow indistinct. The clypeus a little lower than the area of middle-eyes.

Eyes. The front-row a little recurved; the middle-eyes a little smaller and separated from each other by a space as long as their diameter and the distance from the lateral eyes a little longer. The two lateral eyes nearly contiguous. The hind-row straight with the lateral eyes very little smaller; the middle-eyes separated by a space nearly as long as the diameter and the distance from the lateral eyes a little longer. The area of middle-eyes nearly squarish. All eyes surrounded by black rings.

Cheliceres yellowish brown, the length not amounting to the double breadth, broader than the first femur, very convex and tapering towards the apex, the outer margin of the side-furrow with four teeth.

Maxillæ light yellow, longer by a half than broad, twice as long as the labium, nearly rectangular, broadly truncated in the apex.

Sternum light yellow with black margin and a blackish dull spot in the middle, a little longer than broad, projected between the posterior coxæ.

Legs 1. 4. 2. 3, yellowish with blackish rings at the ends of the joints, clothed with long hairs and with some spiniformed hairs: one on the patellæ and two on the dorsal side of the tibiæ.

Abdomen on the dorsal side reddish, with a broad black band in the middle, spotted with some white markings: in the front a Λ-formed white spot and behind this two very small ones and in the hind-part a larger nearly triangular white spot. Round the dorsal part a narrow white band. The sides of abdomen blackish and the venter pale yellow with two brown bands convergent backwards. The whole abdomen clothed with comparatively long whitish hairs.

The vulva is not fullgrown.

Measurements:

total length	4,2	mm.
length of the cephalothorax	1,8	»
breadth » » »	1,5	»
length » » 1st leg	6,62	»
» » » 4th »	5,2	»

Of this species only one single subad. female is captured in **Patagonia:** Morro Chico (1899, E. N.).

Nor am I persuaded of my being right in calling this species a Theridium. As the *Therid. spinatum* the legs have spiniformed hairs or bristles. Moreover it ought to be noticed that the front-row of eyes is recurved, not hitherto observed by any species of Theridium. The middle-eyes of the front-row too are a little smaller than the lateral ones, a point hitherto not observed either by this genus as limited by Mr. SIMON. As there is no possibility of counting the species to another genus and as I have not seen more than one subad. female, I thought I had better place it in the genus of Theridium.

Lithyphantes THORELL.

THORELL, Europ. Spid. 1869—70.

L. sabulosus n. sp.

Male. — *Cephalothorax* dark reddish brown about a sixth longer than broad, as long as the femur IV; the pars cephalica by distinct side-furrows separated from the pars thoracica; the middle-pit very little deep and from this part very fine radiating furrows; the chitinous scale is very hard and marked with hard and small prominences and depressions and covered with short and stiff dark hairs. The clypeus very little higher than the median area of eyes.[1]

Eyes. The front-row straight; the middle-eyes are a little smaller and separated from each other by a spsce about $1^1/_2$ their diameter and a little longer separated from the lateral eyes. The two lateral eyes separated by $^1/_3$ their diameter. The hind-row nearly straight; the middle-eyes separated by a space about $1^1/_3$ their diameter and as long as the distance from the anterior middle-eyes and a little less than from the posterior lateral eyes. — All eyes surrounded by black rings and the lateral eyes a little prominent.

[1] As for *L. andinus* KEYSERLING, to which this species no doubt is nearly related, this author says in »Die Spinnen Amerikas, Theridiidæ.» H. I. p. 133: »— — clypeus doppelt so hoch als die Area der Augen». To judge by a specimen (det. TACZANOWSKY) this of course is erroneous. The clypeus has the height of the median area of eyes.

Cheliceres about twice as long as broad and about as broad as the femur I; on the front-side at the apex of the inner margin a short, thick and obtuse very strong tooth; the hind-side of the cheliceres perfectly smooth; at the inner side and at the apex of the outer side very long bristly hairs.

Maxillæ convergent, about twice as long as broad and obtusely pointed at the apex and about twice as broad as the labium, which is broadly rounded at the apex.

Sternum about as long as broad, not projected between the posterior coxæ and clothed with bristly blackish hairs. The surface is flat and a little uneven.

Legs 1. 4. 2. 3, light brown with black longitudinal stripes beneath on the femora, densely clothed with fine short hairs.

Abdomen long oval, dark violet, round the front a white band and in the middle a longitudinal white stripe. The venter with three longitudinal small stripes in the middle.

Pedipalpus. The tibia about as long as the patella and much broader than long. The bulbus conf. Pl. I, fig. 3.

Measurements:

total length	7,2 mm.
length of the cephalothorax	2,9 »
breadth » » »	2,5 »
length » » 1st leg	12,3 »
» » » 4th »	10,8 »

Female. — Only two very young specimens, which in all essential bear a strong resemblance to the male.

The specimens are captured at Sta Cruz in South Argentina (14/11 1895, O. N.).

Asagena Sundevall.

Sundevall, Consp. Arachn. 1833.

A. patagonica n. sp.

Female. — *Cephalothorax* very dark blackish brown, longer than broad by a fifth of the length, a little shorter than the femur I, as long as the femur IV; the pars cephalica by distinct side-furrows separated from the pars thoracica; the middle-pit nearly indistinct; the surface very hard and marked with small prominences and depressions, strewed with short and stiff dark hairs. — The clypeus a little higher than the median area of eyes.

Eyes. The front-row nearly straight; the median eyes a little smaller and separated by a space about as long as the diameter of eyes, the distance from the lateral eyes a little longer. The lateral eyes nearly contiguous. The hind-row distinctly recurved, the eyes nearly equal and the intervals between them analogous with those in the front-row. The median area of eyes nearly a perfect square.

Cheliceres cylindrical, about twice as long as broad, as broad as the femur; the surface without granulations.

Maxillæ and *labium* as by *Asagena americana* Emert.

Sternum about as long as broad, dark brown, strewed with short bristly hairs.

Legs 4. 1. 2. 3, dark brown (the tarsi and the metatarsi a little lighter), clothed with long, bristly hairs and without real spines.

Abdomen densely clothed with short, blackish hairs, dark blackish violet with a white band round the front and with two white, longitudinally arranged spots on the hind-end of the dorsal side and with one small transversal spot on each side. The venter has no white markings.

The *vulva* conf. Pl. I, fig. 4.

Measurements:

total length	6 mm.
length of the cephalothorax	2 »
breadth » » »	1,8 »
length » » 1st leg	6,5 »
» » » 4th »	6,8 »

Three ad. females are captured in

Patagonia: Ultima Esperanza (1/4 1896, O. N.),
Puerto Gallegos (16/11 1895, O. N.

All specimens are captured in dry and sandy localities.

This species is nearly related to *Asagena americana* Emerton, but differs from it principally by the posterior row of eyes, which is distinctly recurved; by the clypeus, which is only a little broader than the area of eyes, and by the white markings on the dorsal side of abdomen. I have not seen any specimen of A. americana Em., nor is to my knowledge any figure of the vulva as yet reproduced.

Fam. **Argiopidæ.**

Subfam. *Linyphiinæ.*

Erigoneæ.

Walckenaera Blackwall.

Blackwall, Char. of some undesc. gen, and sp. 1833.

W. patagonica n. sp.

Female (subad.). — *Cephalothorax* light brown, oval, a little longer than broad. The cephalic part distinctly separated from the thoracic part by deep furrows. The middle pit very distinct (with two furrows diverging backwards from it). The clypeus about as high as the area of eyes.

Eyes. The front-row nearly straight; the middle-eyes separated by their radius and the distance from the lateral eyes twice as long. The lateral eyes nearly contiguous. The hind-row straight; the eyes and the distances between them about equal in size. The area of middle-eyes as long as broad.

Cheliceres pale testaceous, the length not amounting to the double breadth, broader than the femur I. At the outer and inner margin of the claw-furrow three teeth.

Maxillæ about 1/3 longer than broad and about 2/3 longer than the labium, rounded at its outer corner.

Sternum black, longer than broad, very convex and at the posterior end broadly truncated and a little projected between the coxæ.

Legs 4. 1. 2. 3, pale testaceous, without spines and clothed with comparatively long hairs. Tarsi and metatarsi about equal in length.

Abdomen nearly twice as long as broad, elliptical, on the dorsal side grayish with a longitudinal dark band uniformly folded on the both sides. The venter is all over blackish. A black spot round the mamillæ.

The *vulva* is not fullgrown (conf. Pl. I, fig. 5).

Measurements:

total length	1,28 mm.
length of the cephalothorax	0,56 »
breadth » » »	0,48 »
length » » 1st leg	1,7 »
» » » 4th »	1,9 »

Two single subad. females from
Patagonia: Campo Toro (1899, E. N.),
Ferrier (1899, E. N.).

W. bilobata n. sp.

Female. — *Cephalothorax* yellowish brown, oval, broader than long, comparatively high convex; the pars cephalica by distinct side-furrows separated from the pars thoracica. The clypeus a little pressed in beneath the eyes, about as high as the area of middle-eyes.

Eyes. The front-row nearly straight; the middle-eyes nearly contiguous and smaller than the lateral eyes, from which they are separated by a space a little longer than their diameter. The lateral eyes contiguous. The hind row nearly straight (very little recurved) with the eyes and the space between them about equal in size. The area of middle-eyes nearly as broad as long. All eyes surrounded by black rings.

Cheliceres about 2/3 longer than broad, much broader than the first femur.

Maxillæ about as broad as long, nearly squarish, about twice as long as the labium.

Sternum yellowish brown with blackish margin, a little longer than broad and broadly projected between the posterior coxæ.

Legs 4. 1. 2. 3, yellowish, clothed with short hairs; the patellæ with one and the tibiæ with two more or less spiniformed hairs. The metatarsi very little longer than the tarsi.

Abdomen black, on the dorsal side with four pairs of pale testaceous transversal spots, with scattered short hairs.

The *vulva* conf. Pl. I, fig. 6.

Measurements:

total length	1,48 mm.
length of the cephalothorax	0,72 »
breadth » » »	0,56 »
length » » 1st leg	2,14 »
» » » 4th »	2,30 »

One single ad. female from **Patagonia:** Herman (near Rio tres Pasos) (1/4 1899, E. N.).

Gonatium Menge.

Menge, Preuss. Spinn. 1866.

G. fuegianum n. sp.

Male. — *Cephalothorax* light brown with the margin blackish. It is a little longer than broad, rounded at the front, which is about half as broad as the pars thoracica. Only the margin and the region of eyes are furnished with short hairs. Along the middle of the pars cephalica a row of a little longer stiff hairs. The pars cephalica is slightly convex, normal. The clypeus is about twice as high as the area of eyes and is a little impressed below the eyes.

Eyes. The front-row very little procurved and the middle-eyes smaller. These are separated by a space about as long as the radius and not so long as the distance from the lateral anterior eyes. The two lateral eyes nearly contiguous. The hind-row is a little recurved. The eyes in this row and the intervals between them about equal. The median area of eyes a little broader (0,21 mm.) than long (0,18 mm.).

Cheliceres nearly twice as long as broad, about as broad as the femur I, very slightly convex and a little tapering at the apex. The front-end oblique, at the inner corner a great prominent tooth.

Maxillæ twice as long as broad, rounded at the apex and strewed with some comparatively long black hairs. *Labium* about half as long as the maxillæ.

Sternum blackish, a little longer than broad and with a narrow projection between the posterior coxæ.

Legs. The posterior legs are broken off. The anterior legs without spines, yellow; the tarsi much longer than the metatarsi, which are shorter than the tibiæ.

Abdomen perfectly black, with very fine dots of a lighter colour and clothed with fine short hairs.

Pedipalpus. The tibia longer than the patellæ, about as long as broad, funnel-formed with a narrow projection. The bulbus conf. Pl. I, fig. 7.

Measurements:

total length	2,8 mm.
length of the cephalothorax	1,3 »
breadth » »	1,1 »

One single ad. male from **Patagonia:** Rio tres Pasos (1899, E. N.).

Neriene Blackwall.

Blackwall, Char. of some undesc. gen. and sp. 1833.

N. Matei (Keys.). — (Pl. II. fig. 1.)

Keyserling, Die Spinn. Am. 1886 (sub Erigone).

One single ad. male of this species is found in **Tierra del Fuego** at Gente Grande (25/12 1895, O. N.). This species is found before in Peru, Brazil and Argentina.

The abdomen of the species is damaged, but it seems to me to have been almost black. The pedipalpus is very like that published by count Keyserling in Die Spinnen Amerikas B. 2, h. 2, p. 159. Tab. XVI, fig. 224.

N. esperanza n. sp.

Male. — *Cephalothorax* dark olive-brown with the margin and some indistinct markings blackish, oval, about a third longer than broad, convex; the pars cephalica indistinctly separated from the pars thoracica. The clypeus about as high as the area of middle-eyes.

Eyes. The front-row straight; the middle-eyes much smaller than the lateral eyes and separated from each other by a space about as long as the diameter. The two lateral eyes contiguous. The hind-row nearly straight; the eyes and the distances (nearly as long as their diameter) between them about equal in size. The two lateral eyes a little prominent. The area of eyes about as long as broad. All eyes surrounded by fine black rings.

Cheliceres dark olive-brown with blackish markings, about twice as long as broad, broader than the first femur, very tapering towards the apex. The inner corner obliquely truncated with a strong prominent tooth on the front. The margins of the claw-furrow with very small teeth.

Maxillæ nearly as broad as long, twice as long as the labium, very convex with small and low prominences.

Sternum brillant black, very convex, as broad as long, comparatively broadly projected between the posterior coxæ.

Legs 4. 1. 2. 3, yellow, only the apex of the coxæ with a fine black ring, clothed with long, fine hairs.

Abdomen oval, the dorsal side in the middle pale testaceous, the other parts black.

Pedipalpus conf. Pl. II, fig. 2.

Measurements:

total length	1,92 mm.
length of the cephalothorax	0,84 »
breadth » » »	0,6 »
length » » 1st leg	2,56 »
» » » 4th »	2,76 »

One single male from **Patagonia:** Ultima Esperanza (¹/₄ 1896, O. N.).

N. arcuata n. sp.

Female. — *Cephalothorax* dark brown with the margin and some indistinct markings more or less blackish, oval, about a fourth longer than broad, the pars cephalica indistinctly separated from the pars thoracica. A distinct comparatively long central furrow. The clypeus much higher than the area of eyes.

Eyes. The front-row nearly straight; the middle eyes much smaller, nearly contiguous and separated from the lateral eyes by a distance a little longer than their diameter. The two lateral eyes contiguous. The hind-row very little procurved with the eyes equal in size; the middle-eyes separated by a space as long as their diameter and a little shorter than the distance from the lateral eyes. The area of middle-eyes a little longer than broad. All eyes surrounded by fine black rings.

Cheliceres dark brown, twice as long as broad, broader than the first femur, very tapering towards the apex. The inner corner long obliquely truncated. The outer margin of the claw-furrow with 4 very strong teeth; the inner corner with 4 or 5 very small ones.

Maxillæ a little longer than broad, twice as long as the labium.

Sternum dark brown with black margin, about as long as broad, projected between the posterior coxæ.

Legs 4. 1. 2. 3, yellow brown, clothed with long fine hairs. The tarsi much shorter than the metatarsi.

Abdomen oval, blackish brown.

The *vulva* conf. Pl. II. fig. 3.

Measurements:

total length	3,4 mm.
length of the cephalothorax	1,3 »
breadth » » »	0,98 »
length » » 1st leg	4,14 »
» » » 4th »	4,7 »

Four ad. females from

Patagonia: Ultima Esperanza (²/₄ 1896, O. N.), Tweedie (1899, E. N.).

Ceratinopsis Emerton.

Emerton, Tr. Conn. Acad. VI, 1882.

C. lineata n. sp.

Female. — *Cephalothorax* oval, a little longer than broad, dark brown with a great blackish spot in the middle. From this spot fine blackish stripes radiate to the posterior eyes and to the margin. The pars cephalica very broadly truncated in front, distinctly separated from the pars thoracica. The clypeus about as high as the area of middle-eyes and a little pressed in beneath the eyes.

Eyes. The front-row nearly straight, with the two middle-eyes smaller and separated from each other by ¹/₂ their radius and from the lateral eyes by about twice their diameter. The two lateral eyes nearly contiguous. The hind-row of eyes very little recurved; the two middle-eyes separated by 1¹/₂ their diameter and the distance from the lateral eyes a little broader. The area of middle-eyes forms a trapezium nearly as long as broad.

Cheliceres nearly twice as long as broad, with 6 teeth at the outer margin of the claw-furrow.

Maxillæ pale testaceous with blackish spots, longer than broad by a half or so of the length, obliquely truncated at the apex and a little more than twice as long as the labium.

Sternum black, convex, a little broader than long[1] and very broadly projected between the posterior coxæ.[2]

Legs 1. 4. 2. 3, yellowish brown, clothed with short hairs. The patellæ with one spiniformed hair at the apex; the tibiæ with such a hair near the base. The tarsi shorter than the metatarsi.

Abdomen on the dorsal side pale testaceous almost white with a black longitudinal band in the middle. Especially in the posterior half this band is prolonged at the sides and in this way forming three transversal bands. The sides of the abdomen is black with very small whitish dots and lines; the venter is all over black. The whole abdomen clothed with short hairs.

The *vulva* conf. Pl. I, fig. 8.

Measurements:

total length	1,70	mm.
length of the cephalothorax	0,72	»
breadth » » »	0,61	»
length » 1st leg	2,04	»
» » » 4th »	1,98	»

One single ad. female from **Patagonia:** Ultima Esperanza (2/4 1896, O. N.).

Hypselistoides n. g.

This genus seems to me to be nearly related to *Hypselistus* SIMON but differs from it by *the posterior row of eyes, which is distinctly but very little recurved and by the procurved front-row.* In addition to these characteristics the tibiæ have no spiniformed hairs beneath. In other parts it agrees highly with this genus.

H. affinis n. sp.

Female. — *Cephalothorax* yellowish red, oval, longer by a fourth than broad, convex; the cephalic part high and separated from the thoracic part by indistinct side-furrows, with some few short hairs only in the region of eyes. The clypeus nearly twice as high as the area of eyes.

[1] breadth of the sternum = 0,44 mm.; length = 0,4 mm.
[2] breadth of the projection = 0,18 mm.

Eyes. The front-row very little procurved; the central eyes separated by a space about as long as the radius of eyes and separated from the lateral eyes by twice their diameter. The central eyes a little smaller than the lateral ones. The two lateral eyes nearly contiguous. The posterior row of eyes very little recurved; the central eyes separated by a space 1/4 broader than its diameter and the distance from the lateral posterior eyes about equal in length. The area of eyes is trapezoidal much narrower in front, about as long as broad. — The eyes surrounded by black rings.

Chelicerae red, about twice as long as broad, longer than the clypeus + the area of the middle-eyes, a little broader than the first femur, with the outer margin of the claw-furrow with 6—7 strong teeth and the inner margin with a row of five very small ones.

Maxillæ. The length surpassing by a third the breadth, obliquely truncated at the apex, more than twice the length of the labium and clothed with some upturned bristly hairs.

Sternum red, about as broad as long (length = 0,7 mm.; breadth = 0,66 mm.), at the posterior end broadly projected between the coxæ (breadth between the coxæ = 0,24 mm.), clothed with long black bristly hairs.

Legs 4. 1. 3. 2, light yellowish brown with the upper side more or less blackish. The metatarsi of all legs longer than the tarsi. All joints clothed with comparatively long hairs, only above in the basal part of the tibiæ a spiniformed hair.

Abdomen all over black, clothed with short curved hairs.

The *vulva* is a transversal fovea with a short longitudinal projection or lamella at the front-edge. On each side of this fovea there is a low but large blackish tumulus. Conf. Pl. I, fig. 9.

Measurements:

total length	2,8	mm.
length of the cephalothorax	1,3	»
breadth » » »	0,98	»
length » » 1st leg	3,45	»
» » » 4th »	3,3	»

Two ad. females from

Tierra del Fuego: Lennox cove (5/2 1896, O. N.),
Lagotovaia (10/2 1896, O. N.).

Linyphieæ.

Hilaira SIMON.

SIMON, Ar. Fr. V. 1884.

H. (?) plagiata n. sp.

Female. — *Cephalothorax* dark brown with the margin and some indistinct blackish stripes radiating from the middle pit; oval, about one-fourth longer than broad. The cephalic part high and convex; the side-furrows and the middle-pit indistinct. The clypeus a little pressed in below the eyes and about as high as the median area of eyes.

Eyes. The front-row very little recurved with the central eyes much smaller and separated by a space about $^2/_3$ their diameter; the distance from the lateral eyes broader. The two lateral eyes contiguous. The hind-row nearly straight (a little procurved) with the middle-eyes separated by a space about as long as their diameter and the distance from the lateral eyes a little longer. The area of middle-eyes is trapezoidal and longer than broad. All eyes surrounded by narrow black rings.

Cheliceres very short and thick, about $^1/_3$ longer than broad, very obliquely truncated at the apex; the outer margin of the claw-furrow with 6 teeth, of which the two utmost are very small.

Maxillæ about a little longer than broad, nearly rectangular, obliquely truncated at the apex and more than twice as long as the labium.

Sternum blackish, a little longer than broad, projected between the posterior coxæ.

Legs 1. 4. 2. 3, light brown, clothed with short hairs; the femora without spines; the tibiæ I, II and III with two spiniformed hairs on the upper side. The fourth pair of legs is damaged.

Abdomen black, with two longitudinal rows of pale testaceous, rounded or a little transversal spots on the dorsal side; the venter black, pale round the vulva.

Vulva conf. Pl. 1, fig. 10.

Measurements:

total length	3 mm.
length of the cephalothorax	1,5 »
breadth » » »	1,04 »
length » » 1st leg	3,88 »
» » » 4th »	3,38 »

One single ad. female from **Patagonia:** Punta Arenas ($^{25}/_{11}$ 1895, O. N.).

Tmeticus MENGE.

MENGE, Preuss. Spinn. 1866.

T. fuegianus n. sp.

Male. — *Cephalothorax* dark brown with the margin a little darker and with darker radiating bands; it is about a third longer than broad, oval, very tapering towards the eyes, convex, the cephalic part a little higher, the side-furrows indistinct, in the middle a short longitudinal distinct furrow. The clypeus higher than the area of middle-eyes, a little pressed in beneath the eyes. In the region of eyes some upturned bristly hairs and on the pars cephalica three rows of short adpressed blackish hairs.

Eyes. The front-row a little recurved with the middle-eyes a little smaller and separated from each other by a space about a fourth their diameter and the distance from the lateral eyes about thrice as long. The lateral eyes nearly contiguous, a little prominent. The hind-row nearly straight with the eyes and the distances between them about equal in size. The area of the middle-eyes forms a trapezium narrower in front. The eyes surrounded by black rings.

Cheliceres dark brown, about $^2/_3$ longer than broad, a little broader than the first femur, a little divergent and tapering towards the apex. On the front near the inner corner a prominent tooth. At the outer margin of the claw-furrow four teeth.

Maxillæ a little longer than broad. The outer margin has two (or three) prominent teeth and the middle another terminated by very long curved stiff hairs. The maxilla is a little more than twice as long as the labium.

Sternum brown with blackish margin, as broad as long, broadly projected between the posterior coxæ, clothed with scattered short stiff blackish hairs.

Legs $\overline{4.1}.2.3$, yellowish brown; the femora without spines; on the first tibia near the apex one short spine; on the other joints I have not seen any spines, but I believe they have been broken off.

Abdomen blackish with indistinct pale testaceous, small spots. The venter all over black.

Pedipalpus conf. Pl. II, fig. 4 a.

Measurements:

total length	4,4 mm.
length of the cephalothorax	2,06 »
breadth » » »	1,42 »
length » » 1st leg	6,04 »
» » » 4th »	6,06 »

Female. — *Cheliceres* more convex, without the great prominent tooth on the front. — *Maxillæ* with very small teeth or prominences. — *Sternum* darker.

In other parts the female ressembles the male.

The *vulva* conf. Pl. II, fig. 4 b.

An ad. female has the abdomen on the dorsal side light grayish with a black narrow middle-stripe.

Measurements:

total length	4,8 mm.
length of the cephalothorax	1,94 »
breadth » » »	1,52 »
length » » 1st leg	5,76 »
» » » 4th »	6,54 »

One single ad. male and some ad. females from **Tierra del Fuego:** Gente Grande Bay ($^{27}/_{12}$ 1895, O. N.).

T. pollicatus n. sp.

Male. — *Cephalothorax* dark brown, oval, about a fourth longer than broad, convex, the pars cephalica much higher and by comparatively distinct side-furrows separated from the pars thoracica. In the middle of cephalothorax a short longitudinal central furrow. The clypeus much higher than the area of middle-eyes and pressed in beneath the a little projected region of eyes. In the region of eyes some short upturned stiff hairs and on the pars cephalica three longitudinal rows of short a little adpressed stiff hairs.

Eyes. The front-row straight, the middle-eyes smaller and separated from each other by a space about $^1/_3$ their diameter and a little more than thrice as much from the lateral eyes. The two lateral eyes nearly contiguous. The hind-row straight with the eyes equal in size and the middle-eyes separated by a space as long as their diameter and the distance from the lateral eyes a little longer. The area of middle-eyes a little longer than broad. The eyes surrounded by black rings.

Cheliceres dark reddish brown, about twice as long as aroad, divergent, very tapering towards the apex, broader than the first femur. The outer margin of the claw-furrow with five strong teeth and the inner margin with two very small ones.

Maxillæ nearly rectangular, a little longer than broad at the apex nearly straightly truncated, about twice as long as the labium.

Sternum brown with blackish margin, nearly as broad as long, projected between the posterior coxæ, with scattered upturned comparatively short black hairs.

Legs 4.1.2.3, light brown with fine long hairs. The femora II, III, IV with a long spiniformed hair near the apex on the fore-side; the patellæ with one long spine near the apex and the tibiæ with two very long ones on the dorsal side. The tarsi shorter than the metatarsi.

Abdomen oval, clothed with short a little adpressed hairs, dark brown with 4 or 5 pairs of pale testaceous spots.

Pedipalpus conf. Pl. II, fig. 5 a.

Measurements:

total length	3,7 mm.
length of the cephalothorax	1,72 »
breadth » » »	1,36 »
length » » 1st leg	6,12 »
» » » 4th »	6,68 »

Female. — The anterior central eyes separated by $^1/_4$ their diameter and the distance from the lateral eyes as long as the diameter. The *abdomen* resembles that of the male, but the markings on the dorsal side more distinct. — The *vulva* conf. Pl. II, fig. 5 b. In all other parts the female resembles the male.

Measurements:

total length	4,2 mm.
length of the cephalothorax	1,8 »
breadth » » »	1,48 »
length » » 1st leg	6,22 »
» » » 4th »	6,82 »

Some males are captured in **Patagonia:**

Ultima Esperanza (2/4 1896, O. N.);

and several ad. females, past all doubt belonging to this species, even in **Patagonia:**

Punta Arenas (28/11 1895, O. N.)

and in **Tierra del Fuego:**

Puerto Harberton (14/2 1896, O. N.).

Smermisia Simon.

Simon, Hist. nat. d. Araign. ed. 2, T. I; fasc. III. 1894.

With this genus I number for the present two species both characterized by the posterior row of eyes, which is recurved and has the middle-eyes much larger than the lateral ones. The middle-eyes in the front-row are much smaller than the rest. On the contrary the species differ by the fourth pair of legs, which is the longest of all. According to Mr. Simon the proportion between the legs of this genus is 1. 4. 2. 3. The one species — a male — has no large tooth-like projection in the front of the cheliceres and the other one — a female — characterizes by an unusually low clypeus. The area of the eyes is nearly twice as high. Hereby it is related to the genus *Obrima* described by Simon. As both the diagnosis of the genus and the description of the only species hitherto known, Smermisia caracasana E. S., as published by Mr. Simon are exceptionally short, I won't number these species among the aforesaid genus.

S. barbata n. sp.

Male. — *Cephalothorax* egground, longer than broad, dark brown with a blackish stripe from the middle to the pars cephalica, where it becomes triangular and is divided into three fine branches going to the eyes. The area of eyes is quite black. It is convex and the pars cephalica very in-

distinctly separated from the pars thoracica; a little projected in front. The clypeus nearly as high as the area of eyes.

Eyes. The front-row a little recurved; the middle-eyes much smaller and separated by a space about as long as their radius and the distance from the lateral eyes, which are nearly twice as large, about as long as the diameter of the later. The two lateral eyes nearly contiguous. The posterior row recurved with the lateral eyes a little smaller and separated from the middle-eyes by an interspace as long as their radius. The two central posterior eyes a little more separated. The area of middle-eyes trapezoidal, nearly as broad as long.

Cheliceres comparatively small, about 1½ as long as broad, a little broader than the first femur; at the outer margin of the claw-furrow three strong teeth, at the inner margin three very small ones.

Maxillæ a little longer than broad, rounded at the apex and about twice as long as the labium.

Sternum dark brown, about as broad as long, cordated, broadly obtuse at the posterior end, which is projected between the coxæ.

Legs 4. 1. 2. 3, yellow; the anterior tarsi and metatarsi about equal in length, the posterior tarsi shorter than the metatarsi. All joints densely clothed with short hairs. On the patella and on the tibiæ (near the base), there is a small and fine spine and on the under side of the femur and the tibia of the anterior pairs of legs (especially on the 1st pair) there are numerous spiniformed a little curved hairs.

Abdomen is black with scattered short stiff hairs.

Pedipalpus. The patella shorter than the tibia, which on the dorsal side is much prolonged. The bulbus conf. Pl. I, fig. 11 a and b.

Measurements:

total length	1,96 mm.
length of the cephalothorax	1, »
breadth » » »	0,70 »
length » » 1st leg	2, »
» » » 4th »	2,32 »

One single ad. male from **Patagonia:** Tweedie (19/3 1899, E. N.).

S. nigro-capitata n. sp.

Female. — *Cephalothorax* elongate-oval with the pars cephalica a little elevated and distinctly separated from the pars thoracica. The central furrow comparatively long and very fine. The colour is brownish yellow with a more or less black margin. The region of eyes black. The clypeus much lower than the area of middle-eyes.

Eyes. The front-row straight; the middle-eyes much smaller and separated from each other by a space scarcely so long as their radius and the distance from the lateral eyes much longer than their diameter. The two lateral eyes nearly contiguous. The hind-row very much recurved; the middle-eyes much larger than the lateral ones; the distance between the two middle-eyes shorter than their radius and a little longer than the distance from the lateral eyes. The area of eyes nearly as broad as long.

Cheliceres brown testaceous, nearly twice as long as broad, very little tapering towards the apex. The outer margin of the claw-furrow with four teeth, the two middle ones greatest. The inner margin with — as far as I can see — only two small teeth.

Maxillæ nearly squarish about twice as long as the labium.

Sternum nearly as broad as long, broadly produced between the posterior coxæ. The colour is dark brown with the margin darkest.

Legs 4. 1. 2. 3, yellowish brown, densely clothed with short blackish hairs. The 4th tibia with 2 spines above. The tarsus I nearly as the metatarsus I.

Abdomen is oval, blackish.

Vulva conf. Pl. II, fig. 6.

Measurements:

total length	2,1 mm.
length of the cephalothorax	0,9 »
breadth » » »	0,64 »
length » » 1st leg	1,94 »
» » » 4th »	2,18 »

Only one single ad. female from **Patagonia:** Punta Arenas (12/2 1896, O. N.).

Bathyphantes Menge.

Menge, Preuss. Spinnen 1866.

B. patagonicus n. sp.

Female. — *Cephalothorax* dark brown, in the middle with a blackish triangular spot, from which fine blackish stripes radiate to the eyes and to the blackish margin. It is oval, a little longer than broad, convex; the pars cephalica indistinctly separated from the pars thoracica. The clypeus a little pressed in beneath the eyes and a little shorter than the area of middle-eyes.

Eyes. The front-row is nearly straight with the middle-eyes smaller and separated from each other by a space about as long as their radius, and the distance from the lateral eyes is as long as their diameter. The lateral eyes nearly contiguous. The hind-row is straight and the eyes and the intervals between them about equal. The area of middle-eyes forms a trapezium about as long as broad.

Cheliceres about twice as long as broad, divergent, broader than the first femur, obliquely truncated at the apex. The outer margin of the claw-furrow with four strong teeth. The inner margin with five very small ones.

Maxillæ a half longer than broad, nearly twice as long as the labium.

Sternum granulated, black, as broad as long, broadly projected between the posterior coxæ.

Legs 1. 4. 2. 3, yellowish brown, clothed with comparatively long hairs and with two long spines on the dorsal side of the tibiæ.

Abdomen oval, very little tapering towards the mamillæ, grayish with indistinct blackish markings, darker on the venter and clothed with short hairs.

Vulva — seen from the side — very prominent with a long triangular clavus in the middle of its apex. Conf. Pl. I. fig. 12.

Measurements:

total length	2,8 mm.
length of the cephalothorax	0,9 »
breadth » » »	0,8 »
length » » 1st leg	4, »
» » » 4th »	3,92 »

One single ad. female from **Tierra del Fuego:** Between the 54° S. Lat. and the Cordilleras (Jan. 1896, O. N.).

B. (?) Hermani n. sp.

Male.[1] — *Cephalothorax* yellowish, oval, about a fifth longer than broad, low convex; the pars cephalica indistinctly separated from the pars thoracica; the clypeus pressed in beneath the eyes, about as high as the area of middle-eyes.

Eyes. The front-row nearly straight; the middle-eyes smaller and nearly contiguous; the distance from the lateral eyes about as long as their diameter. The two lateral eyes contiguous. The hind-row nearly straight with the eyes and the intervals between them about equal in size.

Cheliceres about 1/2 longer than broad, broader than the first femur.

Maxillæ a little longer than broad, rounded at the apex and about twice as long as the labium.

Sternum broader than long and projected between the posterior coxæ, yellowish with blackish margin.

Legs 4. 1. 2. 3, light yellow with spines or spiniformed hairs, but because the legs have been dried up and are a little damaged too, it is not possible to describe the arrangement of them.

Abdomen probably has been grayish brown.

Pedipalpus with the bulbus conf. Pl. I, fig. 13.

Measurements:

total length	1,36	mm.
length of the cephalothorax	0,66	»
breadth » » »	0,52	»
length » » 1st leg	1,8	»
» » » 4th »	1,96	»

One single ad. male from **Patagonia:** Herman near Rio tres Pasos (1/4 1899, E. N.).

Leptyphantes Menge.

Menge, Preuss. Spinn. 1866.

L. australis n. sp.

Female. — *Cephalothorax* dark brown with a great blackish spot in the middle and with blackish margin, convex and

[1] The specimen has dried up!

oval, about as long as broad; the cephalic part indistinctly separated from the thoracic part and in the middle of cephalothorax a short longitudinal furrow. The clypeus a little lower than the area of middle-eyes and curved inwards beneath the eyes.

Eyes. The front-row straight with the middle-eyes a little smaller and separated from each other by a space about as long as their radius and the distance from the lateral eyes a little longer than the diameter of the middle-eyes. The two lateral eyes contiguous. The hind-row straight with the eyes and the distance between them about equal in size. The area of middle-eyes forms a trapezium a little longer than broad. All eyes surrounded by fine, black rings.

Cheliceres yellowish brown, a little more than twice as long as broad, not broader than the first femur, nearly cylindrical.

Maxillæ pale testaceous with blackish markings, nearly twice as long as broad, broadly truncated at the apex, nearly thrice as long as the labium.

Sternum as broad as long, black, brilliant, broadly projected between the posterior coxæ, with some few short bristly, black hairs.

Legs 1. 2. 4. 3, yellowish with more or less distinct blackish rings in the middle and at the ends of the femora, the tibiæ and the metatarsi. The femur I on the dorsal side with one short spine, the patellæ with a long spine near the apex and the tibiæ with two long spines on the dorsal side.

Abdomen pale testaceous, on the dorsal side in the middle a large blackish brown spot in front surrounded by a band of small white dots; behind the large spot there are two smaller ones; these three spots united by a longitudinal narrow black line. On each side of the line there are small white dots and two short transversal, blackish stripes, united with the blackish sides of abdomen. The venter blackish.

The *vulva* conf. Pl. III, fig. 1.

Measurements:

total length	2,80	mm.
length of the cephalothorax	0,92	»
breadth » » »	0,94	»
length » » 1st leg	5,68	»
» » » 5th »	4,42	»

One single ad. female from **Patagonia:** Ultima Esperanza (2/4 1896, O. N.).

Linyphia Latreille.

Latreille, Nouv. Dict. Hist. nat. XXIV, 1804.

L. antarctica n. sp.

Female. — *Cephalothorax* brown, with blackish margin, in the middle with a Y-formed blackish mark; it is broadly cordated, very little longer than broad, convex, with the pars cephalica by distinct side-furrows separated from pars thoracica, the central furrow distinct. The clypeus not so high as the area of middle-eyes.

Eyes. The front-row a little recurved, the middle-eyes a little smaller and separated by a space as long as their radius, the distance between the middle and the lateral eyes as long as the diameter of the latter. The two lateral eyes nearly contiguous. The hind-row nearly straight with the middle-eyes separated by a space as long as their radius and the distance from the lateral eyes nearly twice as long. The area of middle-eyes about as long as broad, a little broader behind. The eyes surrounded by black rings.

Cheliceres brown, convex, nearly twice as long as broad, broader than the first femur; the outer margin of the claw-furrow with four teeth — the first one very small.

Maxillæ much longer than broad, a little more than twice as long as the labium, broadly truncated at the apex.

Sternum dark brown, nearly as broad as long, projected between the posterior coxæ.

Legs are pretty long and slender, pale yellowish with a blackish ring in the middle and at the ends of the joints.

Abdomen on the dorsal side olive-brown with black and white spots, in the middle a dark longitudinal band on each side of which in the front there is one white spot followed by a blackish one, behind these one larger blackish and several small blackish and white spots. The sides of abdomen dark olive-brown and the venter whitish with dark markings in the middle.

The *vulva* conf. Pl. III, fig. 2.

Measurements:

total length	4,6 mm.
length of the cephalothorax	1,4 »
breadth » » »	1,2 »

One single ad. female from **Patagonia:** Punta Arenas (25/11 95, O. N.).

L. meridionalis n. sp.

Male. — *Cephalothorax* dark brown with more or less blackish margin, longer than broad; the cephalic part very high convex, distinctly separated from the pars thoracica. The clypeus much higher than the area of the middle-eyes.

Eyes. The front-row very little recurved with the middle-eyes a little smaller and separated by a space about as long as their diameter and the distance from the lateral eyes more than twice as long. The two lateral eyes contiguous. The hind-row a little recurved with the eyes about equal in size. The interval between the two middle-eyes a little longer than the distance from the lateral eyes. The area of middle-eyes forms a trapezium about as broad as long.

Cheliceres dark brown, very long and in high degree divergent, at the base much broader than the first femur, very tapering towards the apex, the outer side with numerous very small teeth with short fine hairs in the apex; at the inner margin in the middle with two strong and one small tooth. Between these and the insertion of the claw long fine hairs. The claw very long and narrow. (Conf. Pl. II, fig. 7 b.)

Maxillæ dark brown, about 1½ as long as broad, broader at the apex, where they are straight truncated, the outer corner is a little projected. The maxilla is about thrice as long as the very broad labium.

Sternum dark brown with blackish margin, longer than broad, very narrow projected between the posterior coxæ, with scattered short blackish hairs.

Legs yellow with the femora blackish beneath, the majority of them are destroyed; the femora I and II with one spine on the dorsal side, several spines on the other joints.

Abdomen all over black, nearly cylindrical.

Pedipalpus conf. Pl. II, fig. 7 a.

Measurements:

total length	2,75 mm.
length of the cephalothorax	1,3 »
breadth » » »	1,04 »

One single male from **Patagonia:** Tweedie (/12 1896, O. N.).

This species is nearly related to Frontina bipunctata KEYS. Conf. Die Spinnen Amerikas II, p. 105.

Subfam. *Tetragnathinæ.*

Diphyeæ.

Diphya NICOLET.

NICOLET in GAY, Hist de Chile etc. Zool. III. 1849.

D. bilineata n. sp.

Female. — *Cephalothorax* pale yellow in the pars cephalica; the pars thoracica — especially the sides — dark brown, reticulated with irregular darker spots; it is longer than broad with the pars cephalica a little higher convex and a little prominent, by distinct side-furrows separated from the pars thoracica. The clypeus about thrice as broad as the diameter of the central anterior eyes.

Eyes. The front-row very little recurved, nearly straight, with the middle-eyes much smaller, separated from each other by a space as long as their radius and the distance from the lateral eyes a little longer. The two lateral eyes separated by a space about thrice as long as the diameter of the anterior lateral eyes. The hind-row very recurved with the eyes equal in size. The middle-eyes separated from each other by a space much broader than their diameter and about as long as from the lateral eyes. The area of middle-eyes forms a trapezium about twice broader behind. All eyes surrounded by black rings and prominent.

Cheliceres a little more than twice as long as broad, very little broader than the first femur, much longer than the face, nearly cylindrical; the inner corner of the apex rounded with three very strong teeth at the outer margin of the claw-furrow and three very small ones at the inner margin.

Maxillæ black with pale yellow margins, nearly squarish, about twice as long as the labium, which is black with the apex yellow.

Sternum a little longer than broad, projected between the posterior coxæ; black, in the middle dark brown.

Legs 1. 2. 4. 3, pale yellow, with very long, sometimes nearly spiniformed hairs, with the armature characteristic for this genus.

Abdomen broad oval; on the dorsal side with the ground-colour white, in the anterior part two great triangular spots of almost the same size olive-brown coloured, and between them on white colour a fine longitudinal dark stripe, the posterior part more or less dullish dark; the sides of abdomen dark brown; the venter dark brown with two longitudinal white stripes.

The *vulva* conf. Pl. III, fig. 3.

Measurements:

total length	5	mm.
length of the cephalothorax	1,6	»
breadth » » »	1,3	»
length » » 1st leg	6,76	»
» » » 2d »	5,98	»
» » » 3d »	3,12	»
» » » 4th »	4,56	»

Two ad. females:

Patagonia: Ultima Esperanza (2/1 1896, O. N.).

Tierra del Fuego: Rio Azopardo (1/3 1896, O. N.).

The specimen from Ultima Esperanza has much darker and more distinct lateral bands on cephalothorax and the dorsal side of abdomen nearly one-coloured white (only some few very small darkbrown dots and a little darker colour along the sides).

Subfam. *Argiopinæ.*

Araneæ.

Araneus CLERCK.

CLERCK, Svenska Spindlar 1757.

A. flaviventris (NIC.).

NICOLET l. c. 1849 (sub Epeira).

One single female is captured at Puerto Eugenia on **Tierra del Fuego** (12/2 1896, O. N.).

A cocon belonging to this female measured 20 mm. in diameter.

A. patagonicus n. sp.

Female (juv.). — *Cephalothorax* brown with the lateral parts of the pars thoracica nearly black, clothed with long white hairs, longer than broad with the front a little longer than a third of the breadth of pars thoracica. The pars cephalica is high convex a little projected by very deep side-furrows separated from the pars thoracica. It is a little longer than the first femur and as long as the tibia + patella IV. The clypeus about as high as the radius of the central anterior eyes.

Eyes. The front-row straight with the eyes about equal in size. The two middle-eyes separated by a space about twice as long as their diameter and the distance from the lateral eyes a little longer. The two lateral eyes nearly contiguous. The hind-row very little recurved with the middle-eyes separated by a space about as long as their diameter; the distance from the lateral eyes about thrice as long. The area of middle-eyes prominent, a little broader in front, about as long as broad. The two lateral eyes prominent.

Cheliceres comparatively long, brown with black apex and clothed with long white hairs.

Maxillæ and *labium* black with the tips pale testaceous.

Sternum all over black, clothed with long white hairs.

Legs 1. 4. 2. 3, dark brown with blackish rings in the middle and at the ends of the femora, the tibiæ and the metatarsi clothed with long and short whitish hairs and armed with white and blackish spines.

Abdomen is subtriangular, a little longer than broad, with a conical prominence at each of the shoulders and two others, much smaller in a transverse line at the posterior extremity. It is densely clothed with whitish pubescence. From the summit of each anterior prominence a black-brown dentated line runs to the posterior prominence, forming a curve inwards, the space closed in by these lines, as well as the whole front of the abdomen is brown, darkest behind with an indistinct, abrupted, lighter, longitudinal band in the middle. In the middle of the dorsal side four black dots. The sides of abdomen are light yellow, densely clothed with white hairs, and with numerous naked small dark brown

spots amidst which a short black spiniformed hair rises. Such black hairs are also strewed over the other parts of abdomen. The venter is black with four pale testaceous, longitudinal bands. The mamillæ are black.

The *vulva* is not fullgrown.

Measurements:

total length	5,8	mm.
length of the cephalothorax	2,5	»
breadth » » »	2	»
length » » abdomen	4,2	»
braadth » » »	3,4	»
length » » 1st leg	7,3	»
» » » 2d »	6,5	»
» » » 3d »	4,7	»
» » » 4th »	6,7	»

One single subad. female is captured in **Patagonia:** Tweedie (19/3 1899, E. N.).

A. Karkii n. sp.

Female. — *Cephalothorax* dark brown, not so dark in the cephalic region, densely clothed with very long, white hairs; it is a little shorter than first femur and as long as tibia + patella IV. The clypeus as high as the diameter of the anterior middle-eyes.

Eyes. The front-row very little recurved with the eyes equal in size. The two middle-eyes separated by a space about thrice their radius and the distance from the lateral eyes about twice as long. The two lateral eyes nearly contiguous. The hind-row very little recurved with the middle-eyes separated by a space about as long as their diameter and the distance from the lateral eyes nearly four times as long. The area of the middle-eyes nearly square, broader in front than behind, very little prominent. The two lateral eyes are placed, a little obliquely, on a low tubercle. All eyes surrounded by black rings.

Cheliceres comparatively long, very convex, brown with blackish apex, strewed with some black and white bristles on the inner side.

Maxillæ and *labium* very convex, black with the tips pale testaceous.

Sternum entirely black with long whitish upturned bristles.

Legs 1. 4. 2. 3, pale yellow, with the tips of the joints blackish, densely clothed with long white hairs and armed with long black spines.

Abdomen is oval, broadest in the middle; from each shoulder a line of half-moon-formed white spots runs backwards, both converging towards the spinners, but not reaching up to them; the space included by these lines is grayish with a blackish brown tinge towards the hind-part. In the front-part of this space are four white, a little transversal spots, the posterior ones in the hind-edge bordered by black. In the hind of the space are five pairs of very small white spots, separated by a fine, distinct longitudinal grayish brown stripe. The sides of the abdomen with blackish and whitish oblique lines, crossing each other. The venter, including the spinners, is blackish, in the middle with a small nearly triangular white spot, the tip of which is directed backwards, having two very small spots on each side near the spinners.

The *vulva* conf. Pl. III, fig. 4.

Measurements:

total length	7,2	mm.
length of the cephalothorax	2,7	»
breadth » » »	1,8	»
length » » abdomen	5,6	»
breadth » » »	4,8	»
length » » 1st leg	10,4	»
» » » 2d »	8,9	»
» » » 3d »	6,2	»
» » » 4th »	9,2	»

One single ad. female from **Patagonia:** Kark (13/3 1899, E. N.).

Fam. **Archæidæ.**

Mecysmaucheniius Simon.

Simon, Ann. Mus. civ. Gen. 1884.

M. segmentatus Simon 1884.

Male. — *Cephalothorax* light red, darker on the pars thoracica, clothed with short adpressed hairs, especially on the elevated pars cephalica.

Eyes 6, about equal in size, the two middle-eyes separated from each other by a space nearly as long as four times their diameter and the distance from the margin of clypeus a little shorter.

Cheliceres densely clothed with short hairs, the outer margin of the claw-furrow with two distinctly separated rows of spines, the inner ones are c. 10, long and a little curved, the outer ones are very short and only c. 8; the inner margin with two or three rows (indistinctly separated) of short spines or teeth, about 8 in number (conf. Pl. III, fig. 5 d).

Maxillæ very long, curved over the labium; the tips contiguous.

Sternum much longer than broad, clothed with short blackish hairs.

Legs 1. 4. 2. 3, reddish, thickly clothed with short hairs and with some short spines at the apex of the metatarsi.

Abdomen with the ordinary markings.

Pedipalpus conf. Pl. III, fig. 5 a and b.

Measurements:

total length	5,	mm.
length of the cephalothorax	1,9	»
breadth » » »	1,2	»
length » » 1st leg	4,4	»
» » » 2d »	3,52	»
» » » 3d »	3,1	»
» » » 4th »	4,14	»
» » » cheliceres	1,22	»

Female resembles a great deal the male and it agrees highly with the description published by Mr. Simon.

The *vulva* conf. Pl. III, fig. 5 c.

Of this species a great number of specimens (♂♂ and ♀♀) is collected.

Patagonia: Ultima Esperanza (2/4 1896, O. N.; 27/4 1899, E. N.),
Morro Chico (1899, E. N.),
Rio tres Pasos (1899, E. N.),
Punta Arenas (25/11 1895, O. N.).

Tierra del Fuego: Puerto Toro (8/2 1896, O. N.),
Lagotoaia (10/2 1896, O. N.),
Lennox cove (5/2 1896, O. N.).

M. Nordenskjöldi n. sp.

Male. — *Cephalothorax* red, a little darker on the pars thoracica and with a narrow blackish red stripe at the margin, the pars cephalica clothed with short adpressed hairs. The projected part of the pars cephalica very granulated beneath.

Eyes. The middle-eyes, which seem to me to be a little smaller, are separated by a space about four times their diameter and the distance from the margin of clypeus nearly as long. The two lateral eyes contiguous.

Cheliceres reddish brown, very long, clothed with short blackish hairs. The outer margin of the claw-furrow with two rows of spines, the inner ones c. 9, long and curved, the outer ones c. 7, very short; the inner margin with a group of about 15 spines, not arranged in rows, the outer of these spines are the longest.

Maxillæ, labium and *sternum* yellowish, bear a strong resemblance to those of the M. segmentatus E. Sim.

Legs 1. 4. 2. 3, yellowish, with short spines at the apex of the metatarsus.

Abdomen oval, clothed with short hairs and is very light grayish brown without any markings at all.

Pedipalpus conf. Pl. III, fig. 6 a and b. The tibia without the apophys.

Measurements:

total length	3,8	mm.
length of the cephalothorax	2,	»
breadth » » »	1,14	»
length » » 1st leg	4,46	»
» » » 2d »	3,48	»
» » » 3d »	2,94	»
» » » 5th »	3,84	»
» » » cheliceres	1,2	»

Female. — Nearly in everything this resembles the male. The femora and the tibiæ have a little tinge of black. The vulva conf. Pl. III, fig. 6 c.

Of this new interesting species two males and two females are captured.

Patagonia: Ultima Esperanza (3/4 1896, O. N.),
Rio Serrano (1899, E. N.),
Spanger (27/4 1899, E. N.),
Punta Arenas (25/11 1895, O. N.).

Fam. **Thomisidæ.**

Subfam. *Stephanopsinæ.*

Stephanopsis Cambridge.

Cambridge, Ann. Mag. Nat. Hist., 1869.

S. ditissima (Nicolet).

Nicolet in Gay, Hist. de Chile, Zool. 3. 1849 (sub *Thomisus*).

Of this species one ad. female is captured in
Patagonia: Kark (15/2 1899, E. N.)
and one young female, perhaps belonging to this species, in
Tierra del Fuego: Picton Island (1896, O. N.).

Subfam. *Philodrominæ.*

Petricus Simon.

Simon, Bull. Soc. Zool. Fr., 1886.

P. niveus Sim. 1894.

Male. — *Cephalothorax* as long as broad, black with a longitudinal, very broad band in the middle, clothed with short adpressed white and blackish hairs and with scattered long upturned spine-like hairs, especially in the region of eyes. The clypeus with a very broad white margin, about as high as five times the diameter of the anterior central eyes.

Eyes. The front-row very little recurved with the middle-eyes much smaller and separated from each other by a space about as long as their diameter and a little shorter than the distance from the lateral eyes. The two lateral eyes separated by a space about 1½ as long as the diameter of the anterior lateral eyes, which are a little longer than the posterior ones. The hind-row is a little recurved with the middle-eyes separated by a space nearly as long as twice their diameter and a little shorter than the distance from the lateral eyes. The area of middle-eyes about twice as long as broad, much broader in front than behind.

Cheliceres subconical, dark brown, as long as the facial space, clothed with short adpressed hairs.

Maxillæ and *labium* dark brown with pale yellow tips.

Sternum blackish brown with short white bristles.

Legs 2. 4. 1. 3, dark brown with the tarsi and the metatarsi paler, clothed with whitish hairs and with numerous long black spines.

Abdomen grayish with a blackish longitudinal middle-band in the front-part of the dorsal side.

Bulbus conf. Pl. III, fig. 7.

Measurements:

total length	5 mm.
length of the cephalothorax	2,7 »
breadth » » »	2,7 »
length » » abdomen	2,8 »
breadth » » »	2,2 »
length » » 1st leg	9 »
» » » 2d »	10,2 »
» » » 3d »	8,8 »
» » » 4th »	9,8 »

Female. — The female is very much agreeing with the description published by Mr. SIMON.

Measurements:

total length	6,2 mm.
length of the cephalothorax	2,2 »
breadth » » »	2,2 »
length » » abdomen	4,3 »
breadth » » »	3,2 »
length » » 1st leg	6,9 »
» » » 2d »	8,8 »
» » » 3d »	7,6 »
» » » 4th »	8,4 »

Of this species an adult male, in all probability belonging to this species, and an adult female are collected in **Patagonia:** Punta Arenas (29/11 1895, O. N.).

P. sordidus n. sp.

Female. — *Cephalothorax* very little broader than long, the ground-colour blackish with a great grayish spot on the pars cephalica and with some indistinct pale spots on the sides. The whole cephalothorax is clothed with short adpressed white hairs and with some upturned spine-like black bristles. The clypeus grayish with almost white margin, a little higher than five times the diameter of the anterior central eyes.

Eyes. The front-row highly recurved with the middle-eyes much smaller and the space between them a little broader than twice their diameter. The distance from the lateral eyes about as long as their diameter. The two lateral eyes separated by a space about twice as long as the diameter of the lateral posterior eyes. The hind-row very little recurved with the distance between the eyes nearly equal in length and with much smaller middle-eyes. The area of middle-eyes much longer than broad, not as broad in front as behind.

Cheliceres subconical, about as long as the facial space, blackish with some whitish spots.

Maxillæ, labium and *sternum* are blackish, clothed with long bristly, white hairs.

Legs 4. 2. 1. 3, blackish with irregular, pale testaceous spots, the tarsi and the metatarsi dark reddish brown, clothed with whitish short hairs and with numerous white and blackish spines.

Abdomen a little longer than broad, broadest behind, a little sinuated in front, grayish brown with irregular black spots and fine stripes, in the front-part of the dorsal side with an indistinct longitudinal, brown-marginated grayish band; the sides of the abdomen with very fine, irregular white and blackish stripes and the venter a little more one-coloured blackish.

The *vulva* conf. Pl. II, fig. 7.

Measurements:

total length	5,3 mm.
length of the cephalothorax	1,8 »
breadth » » »	2 »
length » » abdomen	3,2 »
breadth » » »	2,8 »
length » » 1st leg	6,3 »
» » » 2d »	7,6 »
» » » 3d »	6,2 »
» » » 4th »	7,8 »

One single ad. female from **Tierra del Fuego:** Paramo (10/1 1896, O. N.).

P. cinereus n. sp.

Female. — *Cephalothorax* black, with a broad, white band from behind the eyes to the posterior margin, at the sides in front with a short white, oblique stripe, which follows the

side-furrow; in the hind part this band is divided by a very fine, a little indistinct, longitudinal stripe. The margin of the cephalothorax has a fine white edge and near this in the middle are two small irregular white spots. The whole cephalothorax clothed with short adpressed, white hairs and especially in the region of eyes furnished with several very long spine-like upturned black bristles. The clypeus higher than five times the diameter of the anterior central eyes, grayish with broad white margin; clothed with white hairs.

Eyes. The front-row very little recurved with the middle-eyes much smaller and the space between them as broad as twice their diameter. The distance from the lateral eyes as long as the diameter of the middle-eyes. The two lateral eyes separated by a space about twice as long as the diameter of the anterior lateral eyes. The hind-row a little recurved with the distance between the eyes nearly equal in length and with much smaller middle-eyes. The area of middle-eyes much longer than broad, not as broad in front as behind.

Cheliceres subconical, blackish, white-haired, about as long as the facial space.

Maxillæ, *labium* and *sternum* very dark testaceous-brown.

Legs 2. 4. 1. 3, blackish with irregular pale testaceous spots. The hind tarsi and the metatarsi light yellow brown, clothed with short white and dark hairs and with numerous black and white spines.

Abdomen elongate-oval, at the apex very little sinuated, grayish; in the middle-line on the dorsal side three more or less triangular and indistinct blackish spots and on each side in the hind part three pairs of oblique black stripes. The sides and the venter all over grayish. The whole abdomen is covered with short adpressed white or black hairs.

The *vulva* is not fullgrown.

Measurements:

total length	4,5	mm.
length of the cephalothorax	2,	»
breadth » » »	1,8	»
length » » abdomen	3,	»
breadth » » »	2,3	»
length » » 1st leg	5,6	»
» » » 2d »	6,4	»
» » » 3d »	5,	»
» » » 4th »	5,8	»

One subad. female from **Patagonia:** Punta Arenas (29/11 1895, O. N.).

P. zonatus n. sp.

Male. — *Cephalothorax* a little broader than long, dark-brown, on the pars cephalica two very narrow, nearly parallel, pale testaceous stripes run from the middle of the region of eyes between the two central posterior eyes nearly up to the middle of cephalothorax and on each side of these bands some very small stripes or dots of similar colour arranged in groups behind the posterior eyes. The whole pars thoracica with densely, radiately arranged, very small irregular stripes or dots of pale testaceous colour. The pars cephalica seems to be surrounded by a comparatively regular zone of such stripes and dots. The clypeus is dark brown with irregular whitish marks and a broad white margin; it is about five times as high as the diameter of the anterior central eyes. The cephalothorax is densely clothed with short and adpressed whitish hairs and strewed with some long, black upturned spine-like hairs and in consequence these marks are visible only, when the spider is moistened.

Eyes. The front-row is very recurved with the middle-eyes much smaller and separated from each other by a space about twice the diameter of eyes; the distance from the lateral eyes a little shorter. The two lateral eyes separated by a space about thrice their diameter. The hind-row nearly straight with the middle-eyes much smaller, separated from each other by a space about four times as long as their diameter, the distance from the lateral eyes a little shorter. The area of middle-eyes much longer than broad, broader behind. All eyes surrounded by white rings.

Cheliceres subconical, blackish brown, with some irregular whitish spots in the middle.

Maxillæ and *labium* dark brown with pale testaceous tips.

Sternum dark brown, in the middle with some indistinct pale spots and at the base of the posterior coxæ with a narrow white stripe.

Legs 2. 1. 4. 3, blackish brown with large and small irregular spots, densely clothed with short adpressed hairs and with numerous short and long spines.

Abdomen elongate-oval, at the apex very little sinuated. The ground-colour blackish brown with irregular grayish white spots, in the front-part of the dorsal side of abdomen a narrow longitudinal grayish stripe. The surface is clothed with short hairs and with long spine-like upturned hairs, arranged in transversal lines and each surrounded at the base by a more or less whitish spot or ring. The venter is grayish brown with three a little indistinct longitudinal brown bands.

The *bulbus* is not fullgrown.

Measurements:

total length	4,2	mm.
length of the cephalothorax	1,8	»
breadth » » »	2,	»
length » » abdomen	2,7	»
breadth » » »	2,4	»
length » » 1st leg	6,	»
» » » 2d »	6,2	»
» » » 3d »	5,4	»
» » » 4th »	5,9	»

Female. — The female bears a strong ressemblance to the male and has similar markings on the dorsal side, but the middle-stripe on the abdomen is brownish with whitish margins and the pars cephalica is more white-spotted. The venter and the legs are paler. The vulva is not fullgrown (conf. Pl. II, fig. 8).

Of this species the collection contains four subad. specimens, two males and two females from **Patagonia:** Ultima Esperanza (²/₄ 1896, O. N.).

Fam. **Clubionidæ.**

Subfam. *Clubioninæ.*

Clubioneæ.

Philisca Simon.

Simon, Bull. Soc. Zool. Fr. 1884.

P. navarinensis n. sp.

Female. — *Cephalothorax* oval, very little tapering towards the front, exceedingly convex, the pars cephalica indistinctly separated from the pars thoracica and very tapering

towards the front so thas the dorsal part in front is only about ¹/₃ of the breadth of clypeus, with a comparatively deep and long central furrow. The colour is darkbrown; the posterior part of the pars cephalica much paler. From the central furrow some pale stripes radiate. The whole cephalothorax densely clothed with short adpressed hairs of blackish colour and on the pars cephalica especially in the region of eyes and in the middle-line with scattered long blackish forwards directed bristles. The clypeus very much inflexed and about as high as the anterior lateral eyes.

Eyes. The front-row straight with the middle-eyes about ¹/₄ smaller and separated from each other by a space about as long as their diameter and a little longer than the distance from the lateral eyes. The two lateral eyes separated by a space about as long as their diameter. The hind-row straight with the eyes and the distance between them nearly equal in size; the distance between the two middle-eyes about 1¹/₂ their diameter. The area of middle-eyes nearly as long as broad, much narrower in front.

Cheliceres dark reddish brown, a little transversally wrinkled, clothed with short and long, blackish hairs and bristles. The inner margin of the claw-furrow with three very strong teeth.

Maxillæ and *labium* blackish red-brown.

Sternum dark reddish brown with very long blackish bristles.

Legs 4. 1. 2. 3, yellow brown, with short yellowish hairs and long blackish bristles. The tibia I with 1. 2. 2 spines and the tibia II with 0. 2. 2 spines beneath. The tibia + patella IV nearly as long as the cephalothorax.

Abdomen above dark brown with the front-part yellowish gray and with a longitudinal blackish brown middle-band ending near the middle and on the posterior part followed by a longitudinal row of very small, pale testaceous dots (about 6) from where a very fine oblique similar line (best visible when the spider is moistened) runs to each side. The venter is one-coloured dark brown. The whole surface densely clothed with short more or less blackish hairs.

Vulva conf. Pl. V, fig. 1.

Measurements:

total length	7,8	mm.
length of the cephalothorax	4,	»
breadth » » »	3,1	»
length » » abdomen	4,7	»
breadth » » »	2,9	»
length » » 1st leg	9,1	»
» » » 2d »	9,	»
» » » 3d »	8,3	»
» » » 4th »	9,9	»

Of this species only one ad. female from **Tierra del Fuego:** Navarin Island, Puerto Toro (8/2 1896, O. N.).

Anypheneæ.

Axyracrus Simon.

Simon, Bull. Soc. Zool. Fr. 1884.

A. elegans Simon 1884.

Of this species three ad. females from **Tierra del Fuego:**
Lennox Island (5–7/2 1896, O. N.),
Navarin Island, Puerto Toro (8/2 1896, O. N.).

Gayenna Nicolet.

1849. *Gayenna* Nicolet in Gay, Hist. fis. y pol. de Chile etc. Zool. 3. p. 450.
1849. *Clubiona* Nicolet in l. c. (a. p.)
1880. *Heteromma* Karsch in Zeitschr. Ges. Naturw. LIII p. 380.
1884. *Gayenna* Simon in Bull. Soc. Zool. Fr. p. 130.
1884. *Tomopisthes* Simon in l. c. p. 132.
1891. *Gayenna* Keyserling and Marx, Die Spinnen Amerik. B. 3, p. 137.
1891. *Samuza* » » » » » » » p. 134.
1897. *Tomopisthes* Simon in Hist. Nat. d. Araign. ed. 2. T. 2. fasc. 1, p. 98.
1897. *Gayenna* Simon in l. c. p. 99.

In more than one case, the distinction of the two genera *Tomopisthes* and *Gayenna* has caused me difficulties, and I am persuaded of the unpossibility of classifying the species of these genera with the limitation done by Simon in *Histoire naturelle des Araignées ed. 2.* Hereby, however, I will not

have said, that all species in question constitute a genus naturally limited and homogenous. Likely enough they may be divided up into genera. At present I take them together under the old name *Gayenna*, given by Nicolet.

When examining the diagnosis published by Simon we find the following points worth notice. The genus Gayenna has: »oculi postici in lineam procurvam», Tomopisthes: »in lineam rectam vel subrectam (vix procurvam)». Consequently there is no difference of any importance. So much the less so as for instance Tomopisthes tæniatus Simon[1] has: »oculi ..... in linea evidenter procurva». Such is also the case with the distances between the eyes of the posterior row. Any real difference as to distances does not exist. As for the anterior row of eyes Simon calls attention to the fact that Tomopisthes has: »oculi antici ..... inter se æque et sat anguste separati», Gayenna having: »oculi antici ..... medii inter se disjuncti sed a lateralibus contigui». Of Tomopisthes tæniatus, however, Simon says: »oculi antici ..... medii ..... inter se spatio dimidio diametro oculi latiore sejuncti sed a lateralibus haud separati». — The most essential difference is therefore to be found in the disproportion of the distances between the lateral eyes. Tomopisthes has *never* the distance between them narrower than the diameter of eyes, Gayenna *always*. An exception is mentioned in *Hist. Nat. d. Araign. ed. 2. T. 2, fasc. 1*, p. 91, Gayenna alticola Sim., which has: »l'intervalle de ses yeux latéraux au moins aussi large que leur diamètre». Further examples are furnished by some specimens I have examined. An ad. ♀ from Tweedie in South-West-Patagonia, that may, I think, to a certainty be given as identical with Tomopisthes varius Sim. has the distance between the lateral eyes most distinctly *shorter* than the diameter of eyes. However it must be noticed that by an other specimen of the same species the distance between these eyes was of about the length of the diameter. Moreover the specimen, — as in the case with Tomopisthes tæniatus Sim. was differing from others by having the middle-eyes of the anterior row nearly contiguous with the lateral eyes. Another species, to my thinking new to

[1] Simon, Arachn. rec. en 1882–83 dans la Patagonie méridionale etc. Bull. Soc. Zool. Fr. 1886 p. 14.

science, — Gayenna approximata TULLGR. — is habitually very like a Tomopisthes but differs in the same points. A third specimen, this too a new one, — Gayenna excepta TULLGR. — has the distance between the lateral eyes at most as long as the diameter of the eyes and the eyes in the anterior row distinctly separated by intervals all equal and of the length of the diameter. In the former case it stands near Gayenna, in the latter Tomopisthes. Therefore, to lay down these charateristics as a principle for the distinction of the two genera Tomopisthes and Gayenna is, I think, quite impossible. Nor are the other characters given by SIMON, absolutely constant. The scopula of Gayenna is said to be more thin than that of Tomopisthes; tarsi and metatarsi *mostly* furnished with lateral spines by Gayenna. By Tomopisthes they are tacking »fere semper».

These reasons have seemed to me strong enough to induce me to place together at present the two genera Tomopisthes and Gayenna.

G. immanis (SIMON) 1884.

Tomopisthes immanis SIM., Bull. Soc. Zool. Fr. 1884.

Of this species the collections contain a great number of ad. and subad. specimens. Some of the large females differ a little from the description published by Mr. SIMON. The colour of the abdomen is nearly entirely yellowish gray, without all markings on the dorsal side, only in the front with a blackish spot on each side. The vulva conf. Pl. IV, fig. 1. A large female measured:

total length	21,6	mm.
length of the cephalothorax	9,	»
breadth » » »	7,2	»
length » » abdomen	12,2	»
breadth » » »	7,5	»
length » » 1st leg	27,6	»
» » » 2d »	27,4	»
» » » 3d »	23,	»
» » » 4th »	27,4	»

The specimens are captured in **Patagonia:**
Punta Arenas (9–12/12 1895, O. N.),
Spanger (27/4 1899, E. N.),
Ferrier (/3 1899, E. N.),

and on **Tierra del Fuego:**
Picton Island (/2 1896, O. N.),
Navarin Island, Puerto Toro (8/2 1896, O. N.).

G. varia (SIMON) 1884. — (Pl. IV, fig. 2 a, b.)

Tomopisthes varius SIMON, Bull. Soc. Zool. Fr. 1884.

Two specimens are captured in **Patagonia:**
Tweedie[1] (19/3 1899, E. N.),
Ultima Esperanza (1899, E. N.),
an other specimen on **Tierra del Fuego:**
Navarin Island, Puerto Toro (8/2 1896, O. N.).

G. approximata n. sp.

Female. — *Cephalothorax* elongate-oblong, a little tapering in front, very low; the pars cephalica indistinctly separated from the pars thoracica, which has a short, deep central furrow. It is dark brown, darkest in front and at the margins and is densely clothed with long whitish hairs and strewed with very long black upturned bristles especially in the region of eyes. The clypeus very little higher than the diameter of the anterior lateral eyes.

Eyes. The front-row straight with the lateral eyes about twice as large as the middle-eyes. These are separated from each other by a space as long as their diameter and the distance from the lateral eyes is much shorter than their radius. The two lateral eyes separated from each other by a space nearly as long as the diameter of the anterior lateral eyes. The hind-row is nearly straight with the eyes about equal in size. The intervals between them a little broader than their diameter and about equal in length.

Cheliceres dark brown, nearly as broad as the first femur densely clothed with long dark hairs and bristles. The inner margin of the claw-furrow with two very strong teeth.

Maxillæ and *labium* lighter brown with yellowish tips.

Sternum oblong oval, yellowish brown, a little longitudinally elevated in the middle, densely clothed with short and upturned long whitish hairs.

[1] Conf. p. 231.

Legs 4. 1. $\overline{2.}$ 3, yellowish brown with the tarsi and the metatarsi dark reddish brown, without spots, densely clothed with grayish hairs; tibiæ I and II with 2. 2. 2 long spines beneath. The tibia + patella IV a little longer than the cephalothorax.

Abdomen elongate-oval, a little tapering at the two ends, truncated in front, densely clothed with long grayish adpressed hairs. The ground-colour is yellow brown on the dorsal side in the front-part with a short dark reddish brown longitudinal band which is united with three pairs of similar spots by side-projectings; on the hind-part of abdomen three more pairs of such spots. The sides of abdomen are finely punctuated and the venter is entirely grayish brown.

The *vulva* conf. Pl. IV, fig. 3.

Measurements:

total length	12,5	mm.
length of the cephalothorax	5,2	»
breadth » » »	4,	»
length » » abdomen	7,6	»
breadth » » »	4,5	»
length » » 1st leg	14,8	»
» » » 2d »	14,8	»
» » » 3d »	14,2	»
» » » 4th »	16,9	»

Two single ad. females from **Patagonia:**

Tweedie (19/3 1899, E. N.)

and **Tierra del Fuego:**

Rio Azopardo (1/3 1896, O. N.).

G. excepta n. sp.

Female. — *Cephalothorax* oval, a little longer than broad, very little tapering in front, convex; the pars cephalica indistinctly separated from the pars thoracica with a long and deep central furrow; dark brown with a very broad longitudinal middle-band of grayish yellow colour and with narrow grayish yellow margins. The whole cephalothorax clothed with short adpressed hairs of grayish yellow colour and on the pars cephalica especially in the region of eyes with scattered upturned blackish bristles. The clypeus about as high as the diameter of the anterior lateral eyes.

Eyes. The front-row nearly straight; the middle-eyes about twice as small as the lateral eyes and the space between them about as broad as their diameter and the distance from the lateral eyes about equal in length. The two lateral eyes separated by a space not longer than their diameter. The hind-row very little procurved; the distance between the two middle-eyes about twice as long as their diameter and the distance from the lateral eyes a little shorter. The area of middle-eyes a little longer than broad, much narrower in front than behind. The region of eyes nearly black.

Cheliceres dark reddish brown, finely transversally wrinkled, clothed with long very fine blackish bristles. The inner claw-furrow with *three* comparatively strong teeth.

Maxillæ and *labium* dark brown with pale yellow tips.

Sternum dark brown with very long blackish hairs.

Legs 4. 1. $\overline{2.}$ 3, yellow brown with short and long, whitish and blackish hairs. The tibia I and II with 2. 2. 2 spines beneath. The tibia + patella IV about as long as the cephalothorax.

Abdomen densely clothed with short adpressed hairs, dark brown on the dorsal side with two parallel, longitudinal yellow bands. The venter entirely one coloured dark brown.

The *vulva* conf. Pl. IV, fig. 9.

Measurements:

total length	6,5	mm.
length of the cephalothorax	2,8	»
breadth » » »	2,3	»
length » » abdomen	3,7	»
breadth » » »	2,6	»
length » » 1st leg	7,	»
» » » 2d »	6,2	»
» » » 3d »	6,2	»
» » » 4th »	8,	»

Only one ad. female from **Patagonia:** Campo Toro (/3 1899, E. N.).

G. cruziana n. sp.

Female. — *Cephalothorax* broad oval, tapering in front, convex; the pars cephalica distinctly separated from the pars thoracica with a long and deep central furrow, light yellow brown with a narrow abrupted dark brown band on each side, even the central furrow and side-furrows dark brown. The whole cephalothorax densely clothed with long adpressed

whitish hairs and especially in front with long scattered upturned bristles. The clypeus about as high as the diameter of the anterior lateral eyes, the margin dark brown.

Eyes. The front-row nearly straight; the middle-eyes about thrice as small as the lateral eyes and separated from each other by a space a little shorter than their diameter; the lateral and the middle-eyes nearly contiguous. The two lateral eyes separated by a space about ²/₃ their diameter. The hind-row a little procurved with the eyes and the distance between them about equal in size. The area of middle-eyes narrower in front, much longer than broad. All eyes situated on black spots.

Cheliceres very long, dark brown, about as broad as the first femur, clothed with long whitish bristles. The inner margin of the claw-furrow with two very strong teeth.

Maxillæ and *labium* very pale yellowish brown.

Sternum pale yellowish brown with long upturned whitish bristles.

Legs 4. 1. 2. 3, pale yellowish with dark brownish small spots especially on the femora; the tarsi and the metatarsi darker, densely clothed with short grayish hairs and long blackish bristles; the tibiæ I and II with 2. 2. 2 long spines beneath. The tibia + patella IV much longer than the cephalothorax.

Abdomen grayish white with numerous small black-brownish dots, in the midddle of the dorsal side a longitudinal brownish band in the posterior part consisting of about five very fine transversal angular stripes. The venter is not so dark with an indistinct fine brownish middle-stripe.

The *vulva* conf. Pl. IV, fig. 5.

Measurements:

total length	9,4	mm.
length of the cephalothorax	3,3	»
breadth » » »	2,5	»
length » » abdomen	6,2	»
breadth » » »	3,3	»
length » » 1st leg	11,8	»
» » » 2d »	10,8	»
» » » 3d »	10,	»
» » » 4th »	13,5	»

One single female from **Patagonia:** Sta Cruz (¹⁴/₁₁ 1895, O. N.).

G. strigosa n. sp.

Male. — *Cephalothorax* elongate-oval, very tapering in front, convex, the pars cephalica distinctly separated from the pars thoracica, with a distinct central furrow, brown with a very narrow black margin and the region of eyes very dark brown, nearly blackish. The whole cephalothorax densely clothed with short adpressed whitish hairs, in the region of eyes with scattered blackish upturned hairs and on the clypeus with some very long extended blackish spine-formed hairs. The clypeus nearly as high as the diameter of the anterior lateral eyes.

Eyes. The front-row nearly straight with the middle-eyes about thrice as small as the lateral eyes and separated from each other by a space about ²/₃ their diameter, the distance from the lateral eyes is about ¹/₃ of the radius of the anterior central-eyes. The two lateral eyes nearly equal and separated by a space, which is distinctly shorter than the diameter of the eyes. The hind-row very little procurved with the eyes about equal in size and with the middle-eyes a little longer separated than the distance from the lateral eyes. The area of middle-eyes a little longer than broad, much narrower in front.

Cheliceres long, cylindrical, a little narrower than the first femur, brown, densely clothed with short dark hairs and with some long more or less spine-like hairs at the inner margin and at the apex.

Maxillæ and *labium* pale testaceous, more or less blackish at the base.

Sternum pale yellowish, in the middle and at the margin dark reddish brown, densely clothed with whitish hairs.

Legs 4. 1. 2. 3, light brown, densely clothed with short hairs and bristles; the tibiæ I and II with 2. 2. 2 spines beneath. The scopula very thin.

Abdomen elongate-oval, pale yellowish with a very broad and irregular, dark reddish brown band of spots and stripes [1]; the venter only at the ends with such marks; densely clothed

[1] To this species I am inclined to count a specimen from Ultima Esperanza (coll. 1899 by E. N.). It is much smaller in all parts and the dorsal longitudinal band consists of several transversal bands. The pedipalpus rembles in high degree that of Gayenna strigosa.

with short hairs and in the front part of the dorsal side with numerous very long upturned bristles.

Pedipalpus conf. Pl. IV, fig. 6 a, b.

Measurements:

total length	5,9 mm.
length of the cephalothorax	2,7 »
breadth » » »	1,8 »
length » » abdomen	3, »
breadth » » »	1,5 »
length » » 1st leg	9,2 »
» » » 2d »	8,8 »
» » » 3d »	8,6 »
» » » 4th »	9,9 »

Two ad. males from **Patagonia:** Punta Arenas (29/11 1895, O. N.) and from **Tierra del Fuego:** Gente Grande bay (25/12 1895, O. N.).

Female. — Very like the male. It varies very much in the dorsal markings and the venter has sometimes spots over the whole surface. The vulva is very like that of Gaye nna excepta m.; conf. Pl. IV, fig. 6 c.

Measurements:

total length	9,2 mm.
length of the cephalothorax	3,8 »
breadth » » »	2,9 »
length » » abdomen	6, »
breadth » » »	3, »
length » » 1st leg	9,5 »
» » » 2d »	9, »
» » » 3d »	8,2 »
» » » 4th »	12, »

Several ad. females. — **Patagonia:**

Punta Arenas (29/11 1895, O. N.),

Ultima Esperanza (1/4 1896, O. N., 1899, E. N.).

Tierra del Fuego:

Paramo (16/1 1896, O. N.),

Porvenir (25/12 1895, O. N.),

Gente Grande bay (27/12 1895, O. N.).

G. unidentata n. sp.

Male. — *Cephalothorax* broadly oval, very much tapering in the front, the partes cephalica and thoracica distinctly separated, with a fine yet distinct central furrow, light brown

with radiating more or less pale stripes, clothed with short adpressed yellowish white hairs. The clypeus about as high as the diameter of the anterior lateral eyes.

Eyes. The front-row straight; its middle-eyes about 1/3 smaller than the lateral eyes and separated by a space as long as their diameter, nearly contiguous with the lateral eyes. The two lateral eyes separated from each other by a space at the most amounting to the length of their diameter. The hind-row nearly straight with the eyes and the intervals about equal in size. The distance between the two middle-eyes a little broader than their diameter. The area of the middle-eyes a little longer than broad, narrower in front. All eyes surrounded by blackish rings.

Chelicerae yellowish brown, cylindrical, narrower than the first femur, clothed with short and long, whitish to blackish hairs. The inner margin of the claw-furrow with only *one* strong tooth.

Maxillæ, *labium* and *sternum* dark brown, with long whitish hairs.

Legs 1. 4. 2. 3 light brown, the tarsi a little darker, clothed with short and long, whitish to blackish hairs. The tibiæ I and II with 2. 2. 2 very long spines beneath and the metatarsi I and II with 2 very long ones. The tibia + patella IV much longer than the cephalothorax.

Abdomen on the dorsal side light grayish brown with a longitudinal brown middle-band from the front to the middle; on each side of its posterior half a very small brown spot. On the posterior half of the dorsal side in the middle-line 5 or 6 more or less distinct angular short, transverse brown stripes. The venter nearly entirely dark brown. The whole abdomen clothed with short adpressed hairs.

The *pedipalpus* conf. Pl. V, fig. 2 a, b.

Measurements:

total length	6,2 mm.
length of the cephalothorax	2,9 »
breadth » » »	2,2 »
length » » abdomen	3,2 »
breadth » » »	1,9 »
length » » 1st leg	13,8 »
» » » 2d »	11,6 »
» » » 3d »	10,3 »
» » » 4th »	12,2 »

A single male captured on **Tierra del Fuego:** Azopardo River (1/3 1896, O. N.).

G. trilineata n. sp.

Male. — *Cephalothorax* broad oval, a little tapering in front, convex, the pars cephalica distinctly separated from the pars thoracica, with a distinct central furrow, light brown, on each side with a narrow dark brown stripe, sometimes indistinct and abrupted; the whole cephalothorax densely clothed with short adpressed whitish hairs and in the region of eyes scattered very long upturned blackish bristles. The clypeus about as high as the diameter of the anterior lateral eyes.

Eyes. The front-row a little recurved, with the eyes nearly equal in size and *all* of them nearly contiguous. The distance between the two lateral eyes shorter than their diameter. The hind-row nearly straight with the eyes and the distance between them nearly equal in size. The area of middle-eyes longer than broad, much narrower in front.

Chelicerae long, cylindrical, a little narrower than the first femur, light brown, densely clothed with short dark hairs and with some long more or less spine-like hairs at the inner margin and at the apex.

Maxillae and *labium* pale testaceous.

Sternum pale yellowish, densely clothed with whitish hairs.

Legs 4. 1. 2. 3, light brown, densely clothed with short whitish hairs and bristles; the tibia I and II with 2. 2. 2 spines beneath. The scopula very thin.

Abdomen elongate-oblong, a little tapering backwards, the ground-colour greenish yellow, on the dorsal side with three longitudinal dark reddish brown bands, one in the middle-line from the front-edge to the middle and two on the sides, beginning in the middle and convergent towards the posterior end (forming a figure of this appearance ψ); on each side of the abdomen a narrow similar stripe; the venter one-coloured.

Pedipalpus conf. Pl. IV, fig. 7 a, b.

Measurements:

total length	7,	mm.
length of the cephalothorax	3,5	»
breadth » » »	2,8	»
length » » abdomen	4,	»
breadth » » »	2,2	»
length » » 1st leg	11,2	»
» » » 2d »	10,2	»
» » » 3d »	9,6	»
» » » 4th »	13,1	»

One single male from **Tierra del Fuego:** Between the 54° S. L. and the Cordilleras (Jan. 1896, O. N.).

Female. — This is very like the male. The front-row of eyes is nearly straight and the middle-eyes separated by a space nearly as long as their radius. The vulva conf. Pl. IV, fig. 7 c. — Total length 8 mm.

Three ad. females from **Tierra del Fuego:**
Paramo (10/1 1896, O. N.),
Porvenir (23/12 1895, O. N.),
Rio Grande (/2 1896, O. N.).

G. affinis n. sp.

Male. — *Cephalothorax* very broad oval, convex; the pars cephalica indistinctly separated from the pars thoracica; with a short and deep central furrow; light brown with a little darker middle-band on the pars cephalica divided in two branches and at the sides a broad dark brown band.[1] The whole cephalothorax is densely clothed with short hairs, whitish on the lighter parts, blackish on the darker ones. In the front with long blackish upturned bristles. The clypeus a little higher than the diameter of the lateral anterior eyes.

Eyes. The front-row nearly straight with the middle-eyes a little smaller and separated from each other by a space nearly as long as their diameter and nearly contiguous with the lateral eyes. The distance between the two lateral eyes a little shorter than their diameter. The hind-row very little procurved and the distance between the two middle-eyes

[1] All these markings appear clearly when the spider is moistened.

nearly twice as long as their diameter and much longer than the distance from the lateral eyes. The area of middle-eyes very little longer than broad, much broader behind than in front. All eyes surrounded by blackish rings.

Cheliceres light yellow brown, cylindrical, very little tapering towards the apex, not so broad as the first femur, densely clothed by white hairs.

Labium, *maxillæ* and *sternum* light yellowish, densely clothed with whitish hairs.

Legs 4. 1. 2. 3, yellowish with irregular brownish small spots and with the metatarsi and the tarsi brownish, densely clothed with whitish hairs and bristles. The tibia I with 2. 2. 2 spines beneath, the tibia II with 1. 2. 2 or 1. 2. 1 spines beneath. The scopula very thin.

Abdomen brownish, on the dorsal side with a longitudinal dark brown middle-stripe, as by G. trilineata compounded by three lines, but the two posterior ones are lengthways united and in front connected with the anterior stripe. This state is only visible, when the spider is moistened. Dryed the abdomen is dark brown, densely clothed with short adpressed hairs. The venter has a longitudinal dark brown middle-band, which also is visible, only when the spider is moistened.

Pedipalpus is very like that of G. trilineata.

Measurements:

total length	6,	mm.
length of the cephalothorax	2,6	»
breadth » » »	2,3	»
length » » abdomen	3 2	»
breadth » » »	2,	»
length » » 1st leg	9,	»
» » » 2d »	8,6	»
» » » 3d »	7,8	»
» » » 4th »	9,5	»

Female. — Some females are captured, which are not full-grown, but seem to me to agree in essential parts with the male. The vulva conf. Pl. IV, fig. 8.

The specimens are captured in **Patagonia:** Punta Arenas ($^{27}/_{11}$ 1895, O. N.) and on **Tierra del Fuego:** Puerto Harberton ($^{11}/_{2}$ 1896, O. N.).

G. dubia n. sp.

Female. — *Cephalothorax* elongate-oval, a little tapering in front, convex; the pars cephalica indistinctly separated from the pars thoracica; the central furrow very fine; light brown with a narrow lateral dark brown band on each side near the margin and an indistinct longitudinal middle-band on the pars thoracica. (These bands become best visible, if the spider is moistened.) The cephalothorax, all over densely clothed with short adpressed white yellowish hairs, has on the pars cephalica some very long upturned bristles. The clypeus about as high as the diameter of the anterior lateral eyes.

Eyes. The front-row straight with the middle-eyes about $^{1}/_{3}$ smaller than the lateral eyes and separated from each other by a space nearly as long as their radius, nearly contiguous with the lateral eyes. The two lateral eyes separated by a space as long as their radius. The hind-row a little procurved; the middle-eyes separated by a space about twice their diameter and a little more than the distance from the lateral eyes. The area of the middle-eyes a little longer than broad, much narrower in front. All eyes surrounded by blackish rings.

Cheliceres dark reddish brown, about as broad as the first femur, finely transversally wrinkled, clothed with comparatively long whitish to blackish hairs. The inner claw-furrow with two very strong teeth.

Maxillæ and *labium* dark reddish brown with pale yellow tips.

Sternum yellow with a narrow dark brown band on each side at the margin.

Legs 4. 1. 2. 3, yellowish brown with the tarsi and metatarsi dark brown, densely clothed with long grayish hairs and bristles. The tibia I beneath with 2. 2. 2 spines, the tibia II with 1. 2. 2 similar ones. The tibia + patella IV about as long as the cephalothorax.

Abdomen grayish in the middle on the dorsal side with a broad longitudinal brown band, tapering towards both ends; on the two grayish side-parts very fine scattered brown dots. The sides brownish; the venter with a brown middle-band. The surface densely clothed with short adpressed hairs.

The *vulva* conf. Pl. IV, fig. 4.

Measurements:

total length	10,5	mm.
length of the cephalothorax	3,5	»
breadth » » »	2,5	»
length » » abdomen	7,	»
breadth » » »	4,	»
length » » 1st leg	7,8	»
» » » 2d »	7,8	»
» » » 3d »	7,4	»
» » » 4th »	10,	»

Four ad. females from **Patagonia:**
Ultima Esperanza (2/4 1896, O. N.),
Punta Arenas (29/11 1895, O. N.).

G. cinerea n. sp.

Female. — *Cephalothorax* elongate-oblong, a little tapering in front, convex, but not as low as G. immanis SIM., the pars cephalica a little more distinct separated from the pars thoracica, the central furrow indistinct; very dark reddish brown and densely clothed with short adpressed grayish hairs and strewed with long blackish upturned bristles, especially in the region of eyes. The clypeus as high as the diameter of the anterior lateral eyes.

Eyes. The front-row nearly straight (very little recurved) with the lateral eyes nearly thrice as large as the middle-eyes, which are separated from each other by a space as long as their diameter; the distance from the lateral eyes as long as the radius of the former. The distance between the two lateral eyes a little shorter than the diameter of those. The hind-row very little recurved with the eyes about equal in size. The intervals between them a little broader than their diameter and the space between the two middle-eyes a little longer than the distance from the lateral eyes.

Cheliceres very dark reddish brown about as broad as the first femur, densely clothed with long dark hairs and bristles. The inner margin of the claw-furrow with two (three on the left chel.) very strong teeth.

Maxillæ and *labium* dark reddish brown with pale tips.

Sternum oblong-oval, dark brown, densely clothed with long grayish and blackish upturned hairs and bristles.

Legs 4. 1. 2. 3, light brown with dark rings, densely clothed with short grayish and yellowish hairs and with long black bristles; the tibiæ I and II with 1. 2. 2 spines beneath. The tibia + patella IV as long as the cephalothorax.

Abdomen oblong-oval, entirely grayish brown, clothed with short grayish hairs.

The *vulva* is very like that of the fig. 1, Pl. IV, but is much smaller and has not the half-moon-formed elevations in the anterior part.

Measurements:

total length	9,	mm.
length of the cephalothorax	3,6	»
breadth » » »	2,3	»
length » » abdomen	5,8	»
breadth » » »	3,	»
length » » 1st leg	8,8	»
» » » 2d »	8,6	»
» » » 3d »	7,8	»
» » » 4th »	10,5	»

One single subad. (?) female from **Tierra del Fuego:** Rio Azopardo (5/3 1896, O. N.).

Coptoprepes SIMON.

SIMON, Bull. Soc. Zool. Fr. 1884.

C. flavopilosus SIMON 1884.

To this species I count three ad. females captured on **Tierra del Fuego:**
Picton Island (O. N.),
Nueva Island (O. N.).

These specimens differ very little from the description published by Mr. SIMON. The *cephalothorax* is comparatively narrow and long, tapering towards the front, more or less clothed with yellowish hairs. The front-row of *eyes* is straight, the middle-eyes a little smaller than the lateral ones and separated by a space of about the length of the diameter and nearly twice the distance from the lateral eyes. The two lateral eyes separated by a space about as long as their diameter. The hind-row nearly straight with the eyes and the

distance between them about equal in size. The clypeus is about twice as high as the diameter of the anterior lateral eyes. The *cheliceres* with a row of six very small teeth on the inner margin of the claw-furrow. *Legs* 4. 1. 2. 3, the tibia I with 0. 2. 1, 2. 2. 1 or 1. 2. 1 spines and the tibia II with 0. 1. 1 ones beneath. The male has in according to the description of Mr. SIMON by the tibiæ I and II 2. 2. 2 spines beneath. The metatarsi I and II with only 2 spines near the base. The tibia + patella IV much shorter than the cephalothorax. The *vulva* conf. Pl. V, fig. 3.

Measurements:

total length	5,8	mm.
length of the cephalothorax	3,	»
breadth » » »	1,8	»
length » » abdomen	3,5	»
breadth » » »	2,	»
length » » 1st leg	5,3	»
» » » 2d »	5,	»
» » » 3d »	4,9	»
» » » 4th »	6,7	»

Subfam. *Liocraninæ.*

Micariosomateæ.

Ferrieria n. g.

The cephalothorax is oval and very convex; the central furrow short and fine. The *front-row* of eyes *straight* with the middle-eyes smaller and nearly contiguous with the lateral eyes. The hind-row recurved with the middle-eyes very little smaller than the lateral eyes. The two lateral eyes separated. The area of middle-eyes a little broader than long. The sternum longer than broad, produced between the posterior coxæ. The cheliceres *with a very long spine* near the inner margin of the front; *the inner margin of the claw-furrow with a row of 4 or 5 very small teeth*, the last one is nearly twice as great as the others. The labium very little broader than long, about as long as the half of the laminæ, which are rounded at the apex. The legs are long with very long spines.

This genus, nearly related to Micariosoma E. SIM., contains only one known species

F. echinata n. sp.

Female. — *Cephalothorax* elongate-oval, very little tapering towards the front, the pars cephalica very indistinctly separated from the pars thoracica, comparatively high convex, the central furrow short and fine, in the middle dark reddish brown, blackish brown at the sides; the margin with a fine stripe of whitish hairs, the other parts with scattered short whitish hairs, no bristles — as far as I can see; the clypeus about as high as the diameter of the anterior lateral eyes.

Eyes. The front-row straight with the middle-eyes about 1/4 smaller and separated from each other by a space a little longer than their diameter; the distance from the lateral eyes nearly as long as the radius of the middle-eyes. The two lateral eyes much more separated than the length of the posterior ones' diameter. The hind-row much broader than the front-row, very little recurved, with the middle-eyes nearly as large as the lateral eyes and separated from each other by a space nearly twice as long as their diameter; the distance from the lateral eyes shorter. The area of middle-eyes very little broader than long. The eyes surrounded by blackish rings.

Cheliceres a little convex, narrower than the first femur, brown, with a very long spine on the front near the base at the inner margin. The inner claw-furrow with 4 or 5 small teeth, the last one nearly twice larger than the others.

Maxillæ and *labium* dark brown with pale tips.

Sternum much longer than broad, distinctly marginated and produced between the posterior coxæ. It is very dark brown with scattered upturned hairs.

Legs 4. 1. 2. 3, yellow with more or less distinct rings at the ends of the joints, thinly clothed with short blackish hairs; the tibia I and II with four pairs of spines beneath, the metatarsi with three pairs. The number of the spines varies.

Abdomen long and narrow, truncated in front, tapering towards the mamillæ, on the dorsal side bright yellow with

reddish marks, forming a short middle stripe in front and with about five pairs of more or less united, irregular spots behind. The sides and the venter dark brown with irregular pale spots.

The *vulva* conf. Pl. V, fig. 4.

Measurements:

total length	2,9	mm.
length of the cephalothorax	1,2	»
breadth » » »	0,85	»
length » » abdomen	1,72	»
breadth » » »	1,	»
length » » 1st leg	2,88	»
» » » 2d »	2,34	»
» » » 3d »	1,96	»
» » » 4th »	3,06	»

Four ad. females captured in **Patagonia:**

Ferrier, Rio tres Pasos, Rio Serrano (1899, E. N).

Subfam. *Corinninæ.*

Tracheleæ.

Trachelopachys Simon.

Simon, Hist. nat. d. Araign. ed. 2,T. 2, fasc. 1. 1897.

T. sericeus Simon 1886. — (Pl. V, fig. 5 a, b)
= Trachelas sericeus Simon 1886.

Four ad. males and one young female from **Patagonia:** Sta Cruz (14/11 1895, O. N.).

Fam. **Agelenidæ.**

Subfam. *Cybæinæ.*

Cybæeæ.

Macrobunus n. g.

The cephalothorax oval, very like that of Cybæus. The front-row of eyes *very much procurved;* the middle-eyes much smaller and *the intervals between the eyes about equal.* The hind-row nearly straight with the eyes and the distances between them about equal in size. The area of middle-eyes broader than long. Cheliceres a little geniculated; the inner margin of the claw-furrow with *6 small teeth.* The posterior tarsi have *no spines.* The second joint of the superior mamillæ very small; the colulus very large.

M. spinifer n. sp.

Male. — *Cephalothorax* oval, very tapering towards the front, convex; the pars cephalica distinctly separated from the pars thoracica; with a short and deep central furrow and from this furrow low radiating ones; reddish brown, very thinly clothed with short blackish hairs and in the region of eyes with some upturned bristles. The clypeus nearly as high as the diameter of the anterior lateral eyes.

Eyes. The front-row very procurved with the middle-eyes about thrice smaller than the lateral eyes and separated from each other by a space nearly as long as their diameter, the distance from the lateral eyes equal in length. The distance between the two lateral eyes as long as the radius of the posterior lateral eyes, which are a little smaller than the anterior ones. The hind-row nearly straight with the eyes and the distances between them about equal in size. The distance between the two middle-eyes about 1½ their diameter. The area of middle-eyes broader than long, much narrower in front. All eyes surrounded by blackish rings rings and the two lateral eyes a little prominent.

Cheliceres a little geniculated, tapering towards the apex, dark reddish brown; the inner margin of the claw-furrow with a row of comparatively long separated teeth, nearly equal in size.

Maxillæ and *labium* yellow-brown.

Sternum yellowish with long blackish hairs.

Legs 4.1.2.3, brown, the tarsi and metatarsi a little darker, the tibiæ and metatarsi I and II with 2. 2. 2 spines beneath.

Abdomen dark grayish, on the dorsal side in the middle of the anterior part a pale testaceous, longitudinal stripe, on the posterior part 4 or 5 pairs of oblique testaceous, short stripes, on the sides irregular, small spots of the same colour. The venter with small irregular spots.

The *pedipalpus* conf. Pl. V, fig. 5 a, b.

Measurements:

total length	8,2	mm.
length of the cephalothorax	3,4	»
breadth » » »	2,5	»
length » » abdomen	4,5	»
breadth » » »	2,8	»
length » » 1st leg	10,8	»
» » » 2d »	8,8	»
» » » 3d »	8,1	»
» » » 4th »	12	»

One single male from **Tierra del Fuego:** Puerto Toro ($^{8}/_{2}$ 96, O. N.).

Rubrius Simon.

Simon, Mission scient. du Cap Horn, Zool., VI, Arachn. 1887.

R. subfasciatus Simon 1884. — (Pl. V, fig. 7)
= Coelotes subfasciatus Simon 1884.

Of this species the collection contains a great number of young and ad. males and females. They are all collected on **Tierra del Fuego:**

Paramo ($^{10}/_{1}$ 1896, O. N.),
Gente Grande bay ($^{25}/_{1}$ 1895, O. N.),
Lagotoaia ($^{10}/_{2}$ 1896, O. N.),
Ushuaia ($^{13}/_{2}$ 1896, O. N.),
Lennox Island ($^{5-7}/_{2}$ 1896, O. N.),
Navarin Island, Puerto Toro ($^{8}/_{2}$ 1896, O. N.).

Mynthes Simon.

Simon, Mission scient. du Cap Horn, Zool., VI, Arachn., 1887.

M. castaneifrons Simon 1884.
= Coelotes castaneifrons Simon 1884.

Of this species the collections contain only one single female from **Tierra del Fuego:** Lennox Island ($^{5}/_{2}$ 1896, O. N.).

The specimen seems to me in nearly all characters to be agreeing with the description published by Simon, but has three teeth at the inner margin of the claw-furrow.

Emmenomma Simon.

Simon, Bull. Soc. Zool. Fr. 1884.

E. oculatum Simon 1884. — (Pl. V, fig. 8.)

Numerous specimens from **Patagonia:**
Campo Toro (/2 1899, E. N.),
Punta Arenas ($^{15}/_{2}$ 1896, O. N.),
and from **Tierra del Fuego:**
Azopardo river ($^{1-7}/_{2}$ 1896, O. N.),
Lennox Island ($^{5}/_{2}$ 1896, O. N.)

Subfam. *Ageleninæ.*

Cryphoeceæ.

Cicurina Menge.

Menge, Preuss. Spinn., III, 1869.

C. madrynensis n. sp.

Female. — *Cephalothorax* elongate-oval, tapering towards the front, which is straightly truncated, a little convex, the pars cephalica distinctly separated from the pars thoracica, with a long, fine central furrow from which some shallow furrows radiate, light yellowish brown, with a more or less dark brown margin at the clypeus, clothed with some short blackish hairs and with scattered black bristles in the region of eyes. The clypeus higher than twice the diameter of the anterior lateral eyes.

Eyes. The front-row a little procurved with the middle-eyes smaller than the lateral eyes and separated from each other by a space a little shorter than their diameter, longer than the distance from the lateral eyes. The two lateral eyes separated by a space shorter than their radius. The hind-row nearly straight with the eyes about equal and the middle-eyes separated from each other by more than the distance from the lateral eyes. The area of middle-eyes about as long as broad. All eyes surrounded by black rings.

Cheliceres dark brown, convex, tapering towards the apex, broader than the first femur; the outer margin of the claw-

furrow with two comparatively strong teeth, the inner margin with 6 very small ones, the smallest situated towards the base.

Maxillæ and *labium* pale yellowish; the labium a little longer than broad.

Sternum yellowish, clothed with very long upturned blackish bristles.

Legs 4. 1. 2. 3, yellowish brown; the tibiæ I and II with 2. 2. 2. 2 spines beneath, the metatarsi I and II with 2. 2. 2 such ones.

Abdomen all over light gray with short adpressed, blackish hairs.

The *vulva* conf. Pl. IV, fig. 10 a, b.

Measurements:

total length	7,4	mm.
length of the cephalothorax	3,3	»
breadth » » »	2,2	»
length » » abdomen	4,2	»
breadth » » »	2,6	»
length » » 1st leg	10,1	»
» » » 2d »	9,4	»
» » » 3d »	9,3	»
» » » 4th »	13,	»

One single female from **Patagonia:** Puerto Madryn (23/7 1896, O. N.).

Hicanodon n. gen.

The cephalothorax is oval. The front-row of eyes *straight;* the middle-eyes much smaller. The hind-row very little procurved, with the eyes and the distances between them about equal. The area of middle-eyes about as long as broad, much narrower in front. The distance between the lateral eyes about as long as their radius. The clypeus about as high as the diameter of the anterior lateral eyes. The labium broader than long, rounded at the apex. The cheliceres cylindrical, the inner margin of the claw-furrow with a row of *6 or 7 very small nearly equal teeth.* The sternum cordated, produced between the posterior coxæ; the spatium intercoxale about as broad as the half breadth of the coxa. The legs comparatively short; the tarsi and the metatarsi with strong spines beneath, arranged in two rows. The mamillæ very little disjointed. No colulus.

H. cinerea n. sp.

Female. — *Cephalothorax* oval, a little tapering in front, the pars cephalica distinctly separated from the pars thoracica, with a short distinct central furrow, from where stripes radiate towards the margin, pale yellowish brown and with short scattered adpressed hairs. The clypeus about as high as the anterior lateral eyes.

Eyes. The front-row straight, with the middle-eyes much smaller and separated by a space a little longer than their diameter, the distance from the lateral eyes very little longer. The two lateral eyes separated by a space about as long as their radius. The hind-row very little procurved with the eyes and the distance between them about equal in size. All eyes surrounded by black rings.

Cheliceres cylindrical, a little convex in front, a little broader than the first femur; the inner margin of the claw-furrow with 6 or 7 very small, nearly equal teeth.

Maxillæ and *labium* yellowish brown.

Sternum blackish, paler in the middle.

Legs 4. 1. 2. 3, pale testaceous with more or less visible blackish rings on the middle and at the apex of the joints, with short blackish hairs and long spines. The tibiæ I and II with 2. 2. 2 spines beneath; the metatarsi I and II with 2. 2 such ones.

Abdomen grayish with indistinctly blackish marks, clothed with short blackish adpressed hairs.

The *vulva* conf. Pl. V, fig. 9 a, b.

Measurements:

total length	3,5	mm.
length of the cephalothorax	1,5	»
breadth » » »	1,24	»
length » » abdomen	2,	»
breadth » » »	1,3	»
length » » 1st leg	3,9	»
» » » 2d »	3,4	»
» » » 3d »	3,2	»
» » » 4th »	4,3	»

Only one single female from **Patagonia:** Rio tres Pasos (1899, E. N.).

Fam. **Lycosidæ.**

Lycoseæ.

Lycosa Latreille.

Latreille, Nouv. Dict. Hist. nat. XXIV, 1804.

L. australis Simon 1884. — (Pl. V, fig. 10.)

Several specimens from **Tierra del Fuego:**
Between the 54° S. L. and the Cordilleras (Jan. 1896, O. N.),
Lagotoaia (10/2 1896, O. N.),
Azopardo river (28/2, 1/3 1896, O. N.),
Navarin Island, Puerto Toro (8/2 1896, O. N.),
Lennox Island (5/2 1896, O. N.).

L. Ohlini n. sp.

Male. — *Cephalothorax* broad oval, the front about half as broad as the broadest part, comparatively convex, with a short and deep central furrow, blackish red brown with a whitish narrow band near the margins, very thinly clothed with short hairs and in the region of eyes with some long upturned blackish bristles. The clypeus as high as the diameter of the anterior lateral eyes.

Eyes. The front-row nearly straight (very little procurved), with the eyes about equal in size. The anterior middle-eyes separated by about 3/4 their diameter and as long as the distance from the lateral eyes. The distance from the anterior middle-eyes to the eyes of the middle-row very little longer than the diameter of the former. The distance between the two large eyes in the middle-row a little shorter than their diameter. The distance from the posterior eyes to the eyes in the middle-row a little longer than the diameter of the latter. The middle-row of eyes as broad as the front-row.

Cheliceres long and broad, blackish red brown, indistinctly transversally wrinkled on the front-side, densely clothed with very long blackish and yellowish hairs and bristles. The inner margin of the claw-furrow with two very strong teeth.

Maxillæ and *labium* dark reddish brown.

Sternum nearly black with very long upturned blackish hairs.

Legs 4. 1. 2. 3, dark reddish brown, densely clothed with short and long, yellowish and blackish hairs or bristles. The tibiæ I and II with 2. 2. 2 spines beneath. The tarsi I and II and the metatarsus I densely scopulated, the metatarsus II with a thin scopula. The tarsi and the metatarsi III and IV in the middle with a row of stiff close-set hairs, on each side thinly scopulated. The tibia + patella IV nearly as long as the cephalothorax.

Abdomen blackish brown, on the dorsal side a longitudinal comparatively broad whitish band tapering towards the hind-end and in the posterior part *indistinctly* divided into great spots. In the middle-line of this band a dark brown, indistinctly black-marginated band, very tapering towards the hind-end; it reaches from the front to a little over the middle. The sides and the venter of the abdomen are all over blackish brown. The whole abdomen is densely clothed with short adpressed hairs and has numerous scattered long upturned bristles.

Pedipalpus light brown, the dorsal side of the tibia and the tarsus more or less white. The tibia a little longer than the patella; the tarsus about as long as the tibia + the patella, a little broader, very long tapering. The bulbus conf. Pl. V, fig. 11 a.

Measurements:

total length	11,	mm.
length of the cephalothorax	6,3	»
breadth » » »	4,7	»
length » » abdomen	5,4	»
breadth » » »	3,2	»
length » » 1st leg	14,7	»
» » » 2d »	13,5	»
» » » 3d »	13,	»
» » » 4th »	16,4	»

One single male from **Patagonia:** Punta Arenas (29/11 1895, O. N.).

To this species I am inclined to count some females captured in **Patagonia:**

Punta Arenas (27/11 1895, O. N.),
Rio tres Pasos (1899, E. N.).

They differ especially by the colour of abdomen. This is above grayish brown, in the anterior part of abdomen three blackish dots, the first one in the middle grayish brown. On each side of the middle-line 6 more or less distinct squarish spots of black colour. The venter is blackish gray. The vulva conf. Pl. V, fig. 11 b. In other parts they ressemble in high degree the male.

Measurements:

total length	16,4	mm.
length of the cephalothorax	6,8	»
breadth » » »	5,	»
length » » abdomen	9,	»
breadth » » »	6,2	»
length » » 1st leg	14,7	»
» » » 2d »	13,5	»
» » » 3d »	12,7	»
» » » 4th »	18,	»

L. Serranoa n. sp.

Female (juv.). — *Cephalothorax* broad oval, in the front about half as broad as in the broadest part, convex, the central furrow long and fine, dark reddish with an indistinct blackish margin and the region of eyes black, thinly clothed with short adpressed black hairs and in the front-region with short white hairs and very long upturned black bristles. The clypeus as high as the diameter of the anterior lateral eyes.

Eyes. The front-row very little procurved with the eyes and the distances between them equal in size. The distances about as long as the diameter of eyes. The distance from the anterior middle-eyes to the eyes of the middle-row about as long as the radius of the latter and the distance between them as long as their diameter. The eyes in the hind-row separated from them in the middle-row by a space nearly twice as long as the diameter of the former.

Cheliceres dark reddish brown, densely clothed with short and long blackish hairs, the inner margin of the claw-furrow with two very strong teeth.

Maxillæ and *labium* yellowish brown.

Sternum blackish brown with very long stiff hairs.

Legs 4. 1. $\overline{2.3}$, reddish brown with indistinct dark brown rings (most distinct on the femora), densely clothed with

short black and yellow hairs and with scattered long stiff bristles. The tibia I and II with 2. 2. 2 spines beneath (the two middle-spines and those nearest to the base are very fine and extraordinary long). The scopula on the tarsi divided by stiff hairs (especially on the tarsi III and IV). The tibia + patella IV a little shorter than the cephalothorax.

Abdomen red, on the dorsal side in the anterior half a longitudinal black black band and behind that four short transversal dark bands ending with black dots. On each side of the black longitudinal band two very small yellowish dots. The venter blackish brown. The whole abdomen thinly clothed with very short black and yellowish hairs.

The *vulva* is not fullgrown.

Measurements:

total length	11,5	mm.
length of the cephalothorax	5,9	»
breadth » » »	3,8	»
length » » abdomen	5,5	»
breadth » » »	4,	»
length » » 1st leg	13,8	»
» » » 2d »	12,	»
» » » 3d »	12,	»
» » » 4th »	16,	»

One single subad. female from **Patagonia:** Rio Serrano 1899, E. N.).

As for the zoological collections, brought together during the expedition of Docent O. Nordenskjöld, I refer to the first number of this tome. Some of the spiders are collected by Dr. O. Nordenskjöld himself, the rest by the zoologist of the expedition Dr. A. Ohlin and his assistent Mr. Åkerman. *O. N.* after the name of the locality means the expedition of Dr. O. Nordenskjöld, *E. N.* the expedition of Cand. phil. E. Nordenskiöld.

Systematic list of the spiders described in the previous paper.

	Tierra del Fuego.	South-Patagonia.	West-Patagonia.	East-Patagonia.
Fam. Aviculariidæ.				
Brachythele subcalpetana (NIC.)	—	—	×	—
Scotinoecus fasciatus n. sp.	×	×	—	×
Fam. Dictynidæ.				
Auximus fuegianus SIM.	×	—	×	—
Fam. Sicariidæ.				
Sicarius rupestris (HOLMB.)[1]	—	—	—	—
Fam. Zodariidæ.				
Storena Bergi SIM.	—	×	×	—
Fam. Theridiidæ.				
Theridium spinatum n. sp.	×	—	×	—
» recurvatum n. sp.	—	—	×	—
Lithyphanthes sabulosus n. sp.	—	—	—	×
Asagena patagonica n. sp.	—	—	×	×
Fam. Argiopidæ.				
Walckenaera patagonica n. sp.	—	—	×	—
» bilobata n. sp.	—	—	×	—
Gonatium fuegianum n. sp.	—	—	×	—
Nericne Matei KEYS.	×	—	—	—
» esperanzæ n. sp.	—	—	×	—
» arcuata n. sp.	—	—	×	—
Ceratinopsis lineata n. sp.	—	—	×	—
Hypselistoides affinis n. g., n. sp.	×	—	—	—
Hilaira (?) plagiata n. sp.	—	×	—	—
Tmeticus fuegianus n. sp.	×	—	—	—
» pollicatus n. sp.	×	×	×	—

[1] North Patagonia: Puerto Madryn.

	Tierra del Fuego.	South-Patagonia.	West-Patagonia.	East-Patagonia.
Smermisia barbata n. sp.	—	—	×	—
» nigro-capitata n. sp.	—	×	—	—
Bathyphanthes patagonicus n. sp.	×	—	—	—
» (?) Hermani n. sp.	—	—	×	—
Leptyphanthes australis n. sp.	—	—	×	—
Linyphia antarctica n. sp.	—	×	—	—
» meridionalis n. sp.	—	—	×	—
Diphya bilineata n. sp.	×	—	×	—
Araneus flaviventris (NIC.)	×	—	—	—
» patagonicus n. sp.	—	—	×	—
» Karki n. sp.	—	—	×	—
Fam. Archæidæ.				
Mecysmaucheniis segmentatus SIM.	×	×	×	—
» Nordenskjöldi n. sp.	—	×	×	—
Fam. Thomisidæ.				
Stephanopsis ditissima (NIC.)	×	—	×	—
Petricus niveus SIM.	—	×	—	—
» sordidus n. sp.	×	—	—	—
» cinereus n. sp.	—	×	—	—
» zonatus n. sp.	—	—	×	—
Fam. Clubionidæ.				
Philisca navarinensis n. sp.	×	—	—	—
Axyracrus elegans SIM.	×	—	—	—
Gayenna immanis (SIM.)	×	×	×	—
» varia (SIM.)	×	—	×	—
» approximata n. sp.	×	—	×	—
» excepta n. sp.	—	—	×	—
» cruziana n. sp.	—	—	—	×
» strigosa n. sp.	×	×	×	—
» unidentata n. sp.	×	—	—	—
» trilineata n. sp.	×	—	—	—
» affinis n. sp.	×	×	—	—
» dubia n. sp.	—	×	×	—
» cinerea n. sp.	×	—	—	—

	Tierra del Fuego.	South-Patagonia.	West-Patagonia.	East-Patagonia.
Coptoprepes flavopilosus SIM.	×	—	—	—
Ferrieria echinata n. g., n. sp. . . .	—	—	×	—
Trachelopachys sericeus SIM.	—	—	—	×
Fam. Agelenidæ.				
Macrobunus spinifer n. g., n. sp. . .	×	—	—	—
Rubrius subfasciatus SIM.	×	—	—	—
Mynthes castaneifrons SIM.	×	—	—	—
Emmenomma oculatum SIM.	×	×	×	—
Cicurina madrynensis n. sp.[1]	—	—	—	—
Hicanodon cinerea n. g., n. sp. . . .	—	—	×	—
Fam. Lycosidæ.				
Lycosa australis SIM.	×	—	—	—
» Ohlini n. sp.	—	×	—	—
» Serranoa n. sp.	—	—	×	—

[1] North Patagonia: Puerto Madryn.

Plate I (XV).

Fig. 1. *Auximus fuegianus* SIM., vulva.
» 2. *Theridium spinatum* n. sp., a, bulbus; b, vulva.
» 3. *Lithyphanthes sabulosus* n. sp., pedipalpus.
» 4. *Asagena patagonica* n. sp., vulva.
» 5. *Walckenaera patagonica* n. sp., vulva.
» 6. » *bilobata* n. sp., vulva.
» 7. *Gonatium fuegianum* n. sp., bulbus.
» 8. *Ceratinopsis lineata* n. sp., vulva.
» 9. *Hypselistoides affinis* n. sp., vulva.
» 10. *Hilaira (?) plagiata* n. sp., vulva.
» 11. *Smermisia barbata* n. sp., a and b, bulbus.
» 12. *Bathyphanthes patagonicus* n. sp., a and b, vulva.
» 13. » (?) *Hermani* n. sp., bulbus.

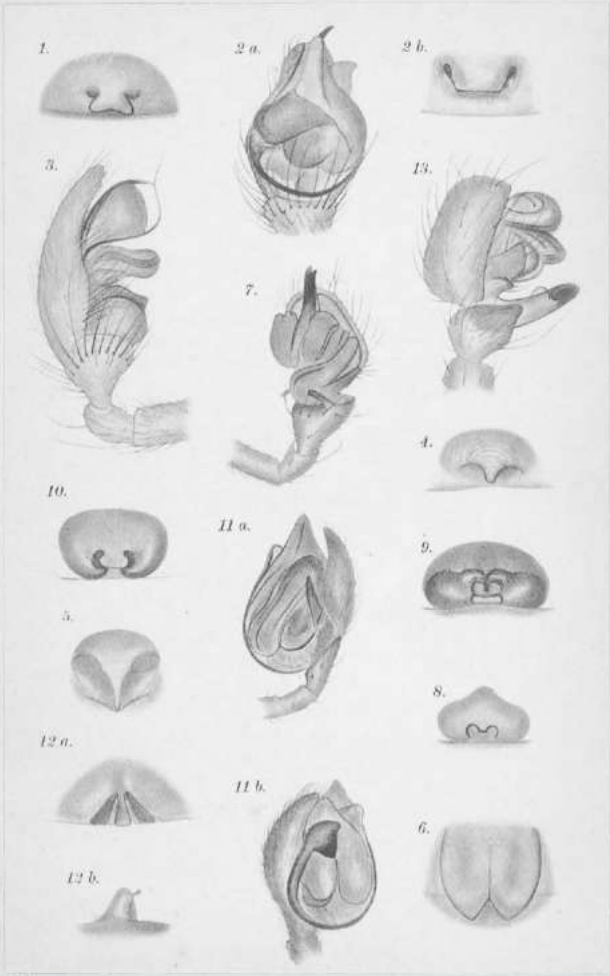


Plate II (XVI).

Fig. 1. *Neriene Matei* KEYS., pedipalpus.
» 2. » *esperanzæ* n. sp., pedipalpus.
» 3. » *arcuata* n. sp., vulva.
» 4. *Tmeticus fuegianus* n. sp., a pedipalpus, b vulva.
» 5. » *pollicatus* n. sp., a » , b » .
» 6. *Smermisia nigro-capitata* n. sp., vulva.
» 7. *Linyphia meridionalis* n. sp., a pedipalpus, b chelicer.
» 8. *Petricus sordidus* n. sp., vulva.
» 9. » *zonatus* n. sp., vulva.

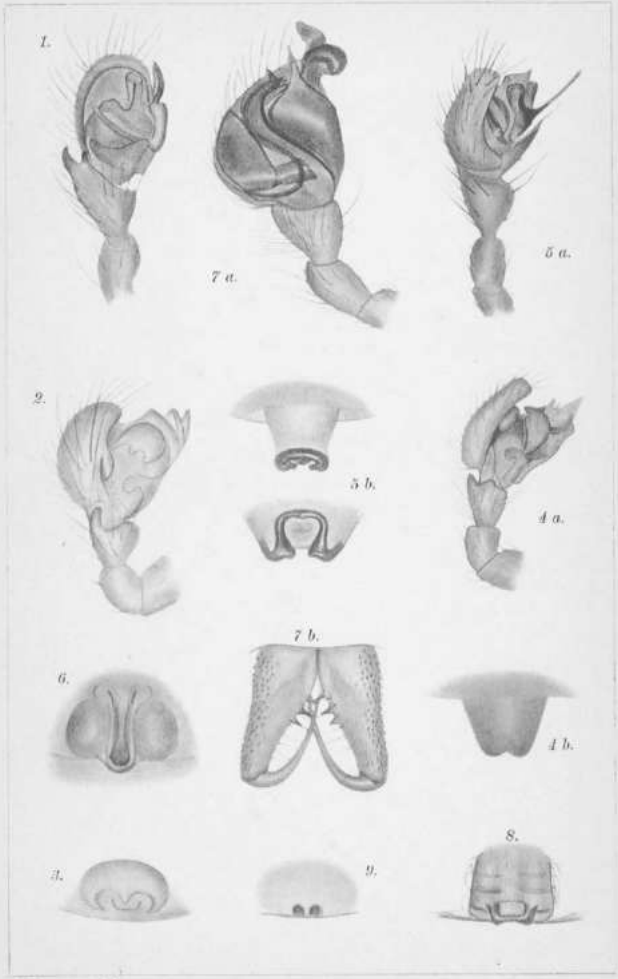
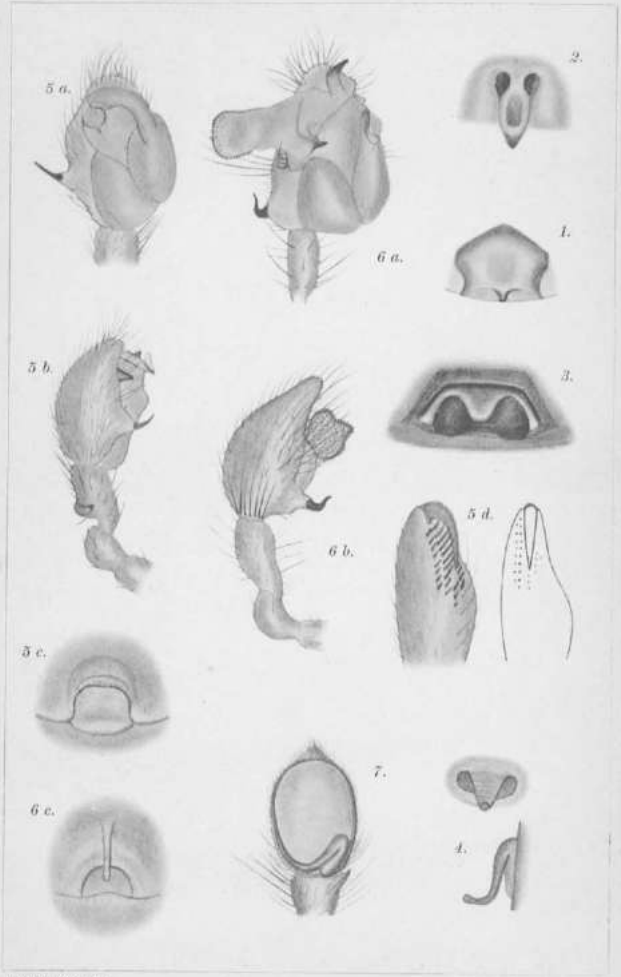


Plate III (XVII).

Fig. 1. *Leptyphantes australis* n. sp., vulva.
" 2. *Linyphia antarctica* n. sp., vulva.
" 3. *Diplya bilineata* n. sp., vulva.
" 4. *Araneus Karki* n. sp., vulva.
" 5. *Mecysmaucheniuss segmentatus* SIM., a and b pedipalpus, c vulva, d chelicer.
" 6. " *Nordenskjöldi* n. sp., a and b pedipalpus, c vulva.
" 7. *Petricus niveus* SIM., bulbus.



A. TULAGREN, del.

Plate IV (XVIII).

Fig. 1. *Gayenna immanis* (SIM.), vulva.
» 2. » *varia* (SIM.), a and b vulva (dry and moistened).
» 3. » *approximata* n. sp., vulva.
» 4. » *dubia* n. sp., vulva.
» 5. » *cruziana* n. sp., vulva.
» 6. » *strigosa* n. sp., a and b pedipalpus, c vulva.
» 7. » *trilineata* n. sp., a and b pedipalpus, c vulva.
» 8. » *affinis* n. sp., vulva.
» 9. » *excepta* n. sp., vulva.
» 10. *Cicurina madrynensis* n. sp., a and b vulva (dry and moistened).

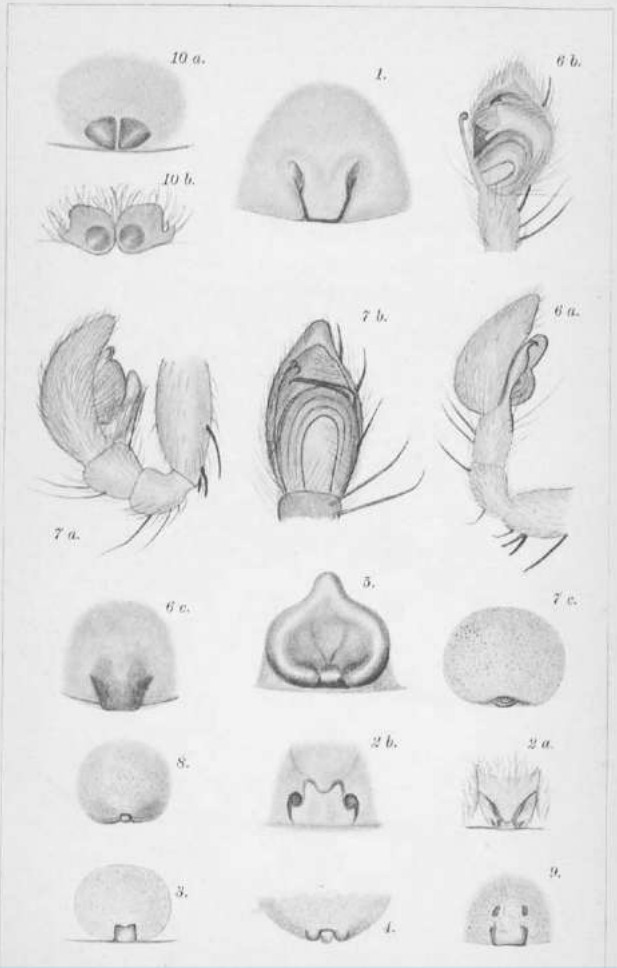


Plate V (XIX).

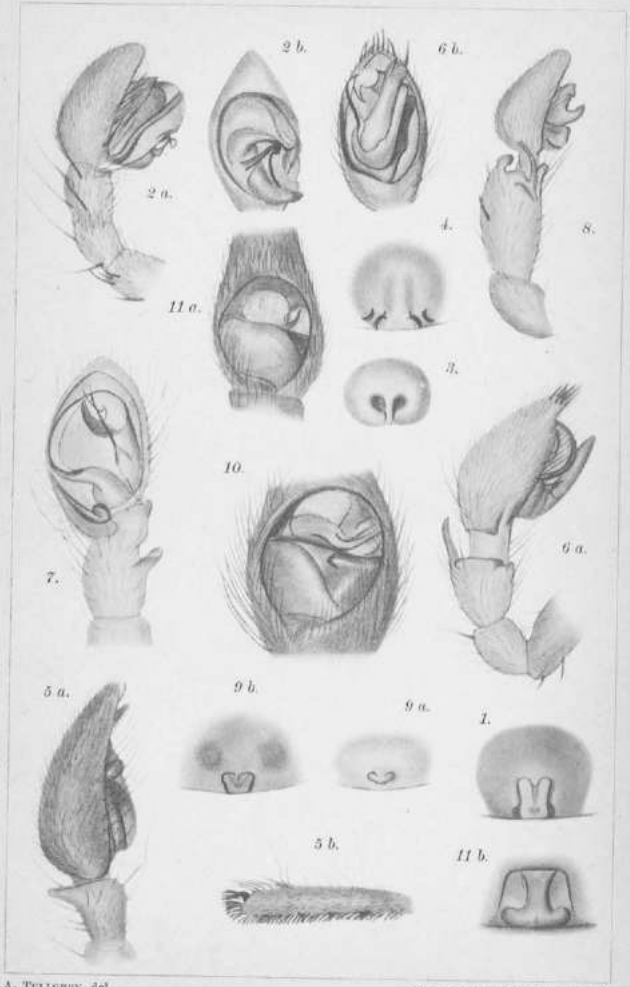



Fig. 1. *Philisca navarinensis* n. sp., vulva.
» 2. *Gayenna unidentata* n. sp., a and b pedipalpus.
» 3. *Coptoprepes flavopilosus* SIM., vulva.
» 4. *Ferrieria echinata* n. g., n. sp., vulva.
» 5. *Trachelopachys sericeus* SIM., a pedipalpus, b tarsus I.
» 6. *Macrobunus spinifer* n. g., n. sp., a and b pedipalpus.
» 7. *Rubrius subfasciatus* SIM., pedipalpus.
» 8. *Emmenomma oculatum* SIM., pedipalpus.
» 9. *Hicanodon cinerea* n. g., n. sp., a and b vulva (dry and moistened).
» 10. *Lycosa australis* SIM., bulbus.
» 11. » *Ohlini* n. sp., a bulbus, b vulva.